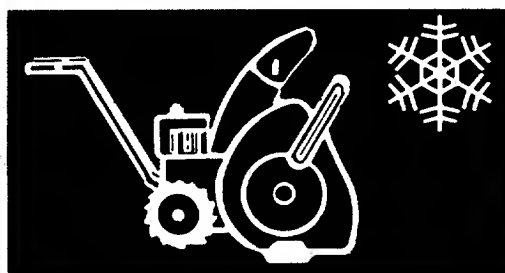
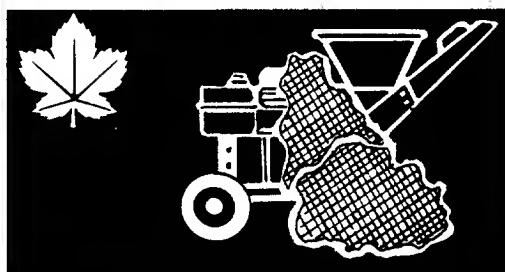
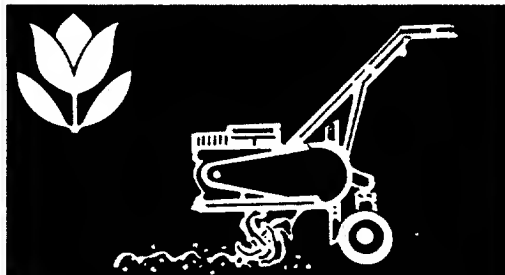


OWNER'S GUIDE

OUTDOOR POWER EQUIPMENT
for all seasons



TRANSMATIC FRONT ENGINE LAWN TRACTORS

Model Numbers
138-530-000
thru
138-568-000;
138-600-000
thru
138-658-000

TURNING RADIUS 6' INSIDE 12' OUTSIDE

IMPORTANT:

**Read Safety Rules and
Instructions Carefully**

Thank you for purchasing
an American-built product.

INDEX

Slope Gauge	3
Contents of Hardware Pack	4
Rules for Safe Operation	5
Assembly Instructions	6
Controls	9
Operation	11
Adjustments	13
Lubrication	16
Maintenance	16
Off-Season Storage	20
Trouble Shooting Chart	21, 22
Electrical System	23
Illustrated Parts for Lawn Tractor	24-35
Illustrated Parts for Transaxle	36, 37
Parts Information	Back Cover

Dear Customer,

So often throughout the year we are all in a rush to meet our daily obligations.

However, we at MTD Products Inc are taking a quick moment out to say...

"Thank you for your business."

Sincerely,

MTD PRODUCTS INC



INSTRUCTIONS GIVEN WITH THIS SYMBOL ARE FOR PERSONAL SAFETY. BE SURE TO FOLLOW THEM.

LIMITED WARRANTY

For one year from the date of original retail purchase, MTD PRODUCTS INC will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by MTD PRODUCTS INC.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of MTD.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by MTD.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

WARNING: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

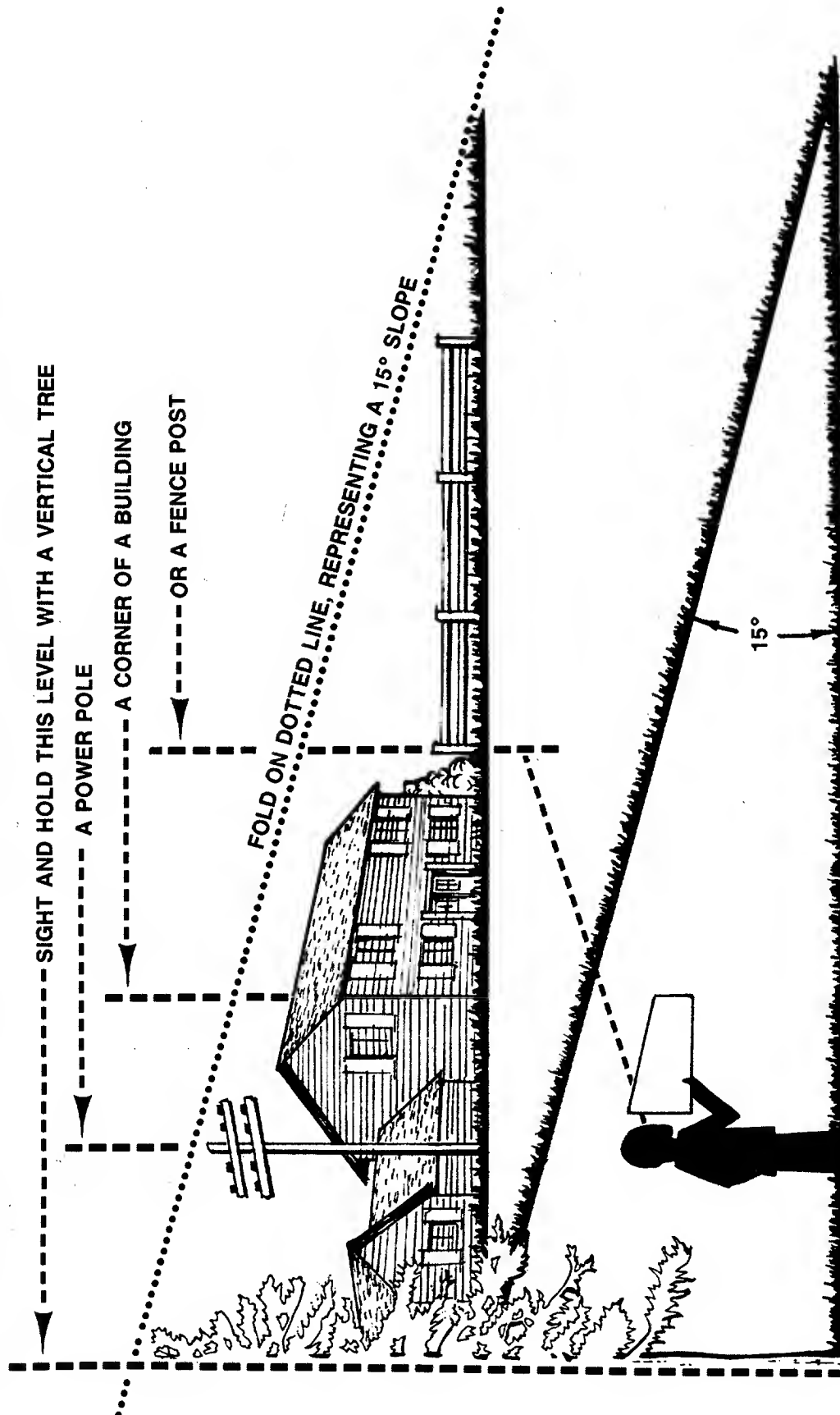
In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest engine authorized service center.

Cut Along This Line

USE THIS SHEET AS A GUIDE TO DETERMINE SLOPES WHERE YOU MAY NOT OPERATE SAFELY.

SLOPE GAUGE

(Keep this sheet in a safe place for future reference.)



Do not mow on inclines with a slope in excess of 15 degrees (a rise of approximately 2½ feet every 10 feet). A riding mower could overturn and cause serious injury. If operating a walk-behind mower on such a slope, it is extremely difficult to maintain your footing and you could slip, resulting in serious injury.

Operate RIDING mowers up and down slopes, never across the face of slopes.

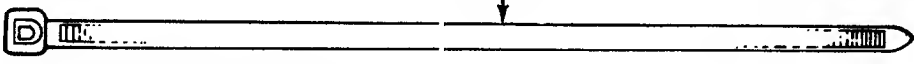
Operate WALK-BEHIND mowers across the face of slopes, never up and down slopes.

CONTENTS OF HARDWARE PACK

Remove this sheet from your owner's manual and lay the hardware on the illustration for identification purposes. After assembly, keep the Slope Gauge which is on the reverse side of this sheet for future use.

(Hardware pack may contain extra items which are not used on your unit.)

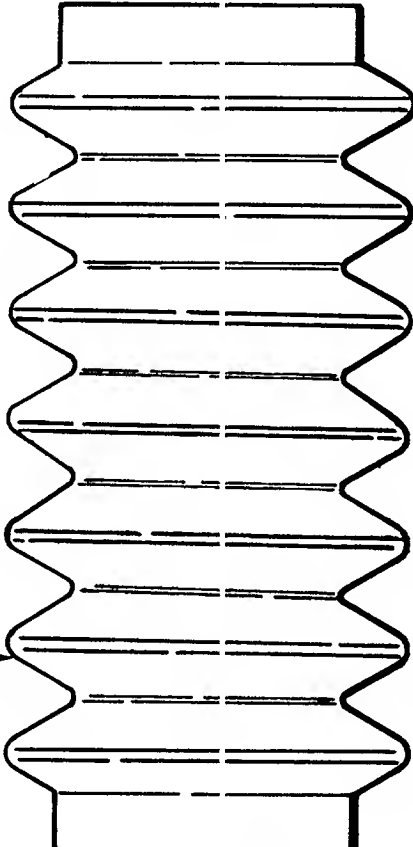
A



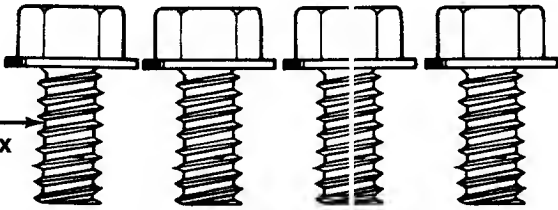
Cable Tie

(Battery Box is Not Shown)

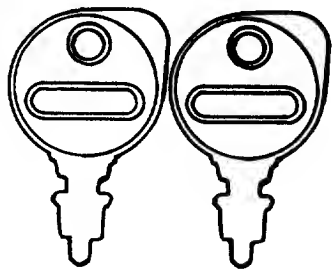
B ATTACHING THE STEERING WHEEL




Steering Bellow



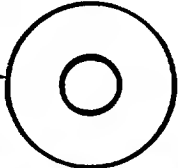
Hex Bolt
1/4-20 x
1-1/4" Long



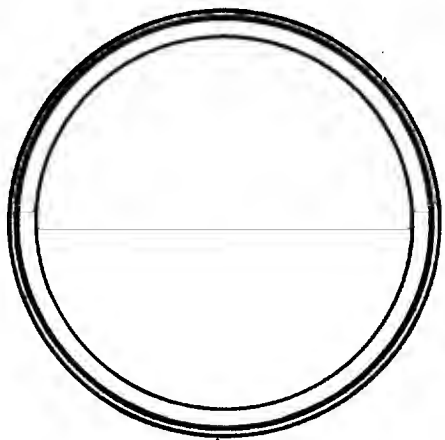
Hex Lock Nut
1/4-20 Thread



Hex Lock Nut
5/16-24 Thread

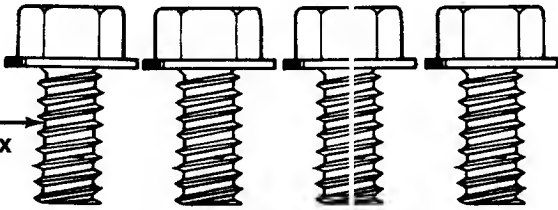


Cupped Washer
5/16" I.D.



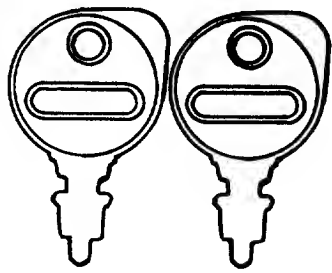
Steering Wheel Cap

C ATTACHING THE SEAT



Self-Tapping Screws 3/8-16 x 3/4" Long

D IGNITION KEYS




(May Be Attached to Tractor)



IMPORTANT

RULES FOR SAFE OPERATION



THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE YOUR UNIT. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY. WHEN YOU SEE THIS SYMBOL—  **HEED ITS WARNING.**




DANGER


Your unit was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. If you violate any of these rules, you may cause serious injury to yourself or others.

1. READ THIS OWNER'S MANUAL carefully in its entirety before attempting to assemble or operate this unit. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
2. This unit is a precision piece of power equipment, not a plaything. Therefore exercise extreme caution at all times.
3. Know the controls and how to stop the machine quickly.
4. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
5. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts to avoid entanglement in the moving parts. Never operate a unit in bare feet, sandals, or sneakers.
6. To prevent injury, do not carry passengers or give rides. Keep children, pets and bystanders out of the area while mowing. Only the operator should ride on the unit and only ride in the seat.
7. Check overhead clearance carefully before driving under power lines, guy wires, bridges or low hanging tree branches, before entering or leaving buildings, or in any other situation where the operator may be struck or pulled from the unit, which could result in serious injury.
8. To maintain control of the unit and reduce the possibility of upset or collision, operate the tractor smoothly. Avoid erratic operation and excessive speed.
9. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower. Although the area of operation should be completely cleared of foreign objects, a small object may have been overlooked and could be accidentally thrown by the mower in any direction and cause injury to you or a bystander.
10. Stop the blade(s) when crossing gravel drives, walks or roads.
11. Disengage all attachment clutches and shift into neutral before attempting to start engine.
12. Disengage power to attachment(s) and stop engine before leaving operating position.
13. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times as the rotating blade(s) can cause injury.
14. Disengage power to attachment(s) and stop engine before making any repairs or adjustments. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
15. Before attempting to unclog the mower or discharge chute, stop the engine. The mower blade(s) may continue to rotate for a few seconds after the engine is shut off. Therefore, be sure the blade(s) have stopped completely. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
16. Disengage power to attachment(s) when transporting or not in use.
17. Take all possible precautions when leaving vehicle unattended such as disengaging power take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
18. For your safety, use the slope gauge included as part of this manual to measure slopes before operating this unit on a sloped or hilly area. If the slope is greater than 15° as shown on the slope gauge, do not operate this unit on that area or serious injury could result.
19. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face. Use extreme caution if it is necessary to drive the tractor up an incline or back the tractor down an incline because the front of the tractor could lift and rapidly flip over backward which could cause serious injury.
20. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Always keep the tractor in gear when going down steep hills to take advantage of engine braking action.
21. Stay alert for holes in terrain and other hidden hazards which may cause the unit to tip over.
22. Use care when pulling loads or using heavy equipment.
 - A. Use only approved drawbar hitch points.
 - B. Limit loads to those you can safely control.
 - C. Do not turn sharply. Use care when backing.
 - D. Use counterweight(s) or wheel weights when suggested in owner's manual.
23. Watch out for traffic when crossing or near roadways.
24. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
25. Handle gasoline with care. It is highly flammable.
 - A. Use approved gasoline container.
 - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
 - C. Open doors if engine is run in garage. Exhaust fumes are dangerous. Do not run engine indoors.

Rules for Safe Operation (continued)

26. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in operator's manual.
27. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
28. Never store the machine with fuel in the fuel tank inside a building where ignition sources are present, such as hot water and space heaters, clothes dryers, and the like. Allow the engine to cool before storing in any enclosure.
29. To reduce fire hazard, keep engine free of grass, leaves or excessive grease.
30. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object. The damage should be repaired before restarting and operating the equipment.
31. Do not change the engine governor settings or overspeed the engine.
32. When using the vehicle with mower, proceed as follows:
 - (1) Mow only in daylight or in good artificial light.
 - (2) Never make a cutting height adjustment while engine is running if operator must dismount to do so.
 - (3) Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher.
 - (4) Check blade mounting bolts for proper tightness at frequent intervals.
33. Check grass catcher bags frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.
34. Look behind to make sure the area is clear before placing the transmission in reverse and continue looking behind while backing up. Disengage blades before shifting into reverse and backing up.
35. This unit should not be driven up a ramp onto a trailer or truck under power, because the unit could tip over, causing serious personal injury. The unit must be pushed manually to load properly.

 **IMPORTANT:** This unit is shipped **WITHOUT GASOLINE or OIL**; however, a small amount of oil may be present from the factory. Do not overfill. After assembly, service engine with gasoline and oil as instructed in the separate engine manual packed with your unit.

 **NOTE:** Reference to right or left hand side of the unit is observed from the driver's seat, facing forward.

ASSEMBLY

This owner's manual covers various models of lawn tractors. The units illustrated may vary slightly from your unit. Follow the instructions which pertain to your unit. Refer to the separate deck manual for all information concerning the deck.

UNPACKING

1. Remove the lawn tractor from the carton as follows. Open the top flaps. Remove all loose parts and carton inserts. Cut the front corners of the carton. Make certain brake is released, and push the unit out of the carton.
2. Remove page four from this manual and lay the contents of the hardware pack on the illustration for identification.

BATTERY INFORMATION



WARNING

- A. Battery acid must be handled with great care as contact with it can burn and blister the skin. It is also advisable to wear protective clothing (goggles, rubber gloves and apron) when working with it.*

- B. Should battery acid accidentally splatter into the eyes or onto the face, rinse the affected area immediately with clean cold water. If there is any further discomfort, seek prompt medical attention.
- C. If acid spills on clothing, first dilute it with clean water, then neutralize with a solution of ammonia/water or baking soda/water.
- D. Since battery acid is corrosive, do not pour it into any sink or drain. Before discarding empty electrolyte containers, rinse them with a neutralizing solution.
- E. NEVER connect or disconnect charger clips to battery while charger is turned on as it can cause sparks.
- F. Keep all lighted materials (cigarettes, matches, lighters) away from the battery as the hydrogen gas generated during charging can be combustible.
- G. As a further precaution, only charge the battery in a well-ventilated area.

***Always shield eyes, protect skin and clothing when working near batteries.**

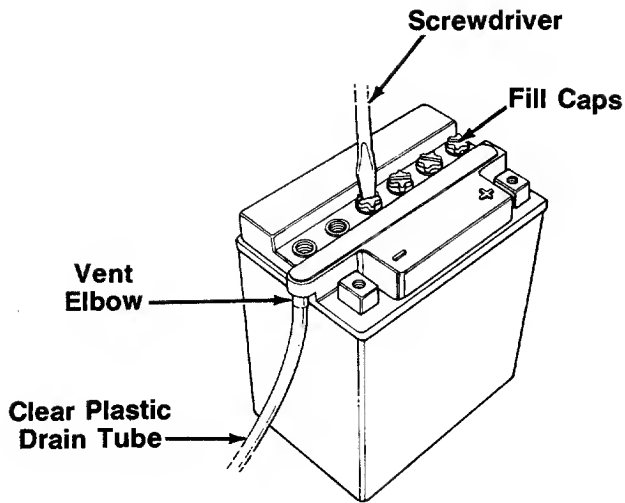


FIGURE 1.

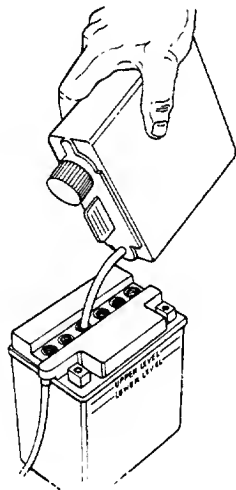


FIGURE 2.



Battery contains sulfuric acid. Refer to warning on page 6. Antidote: EXTERNAL—Flush with water. INTERNAL—Drink large quantities of water or milk. Follow with milk of magnesia, beaten eggs or vegetable oil. Call physician immediately. EYES: Flush with cool water for at least 15 minutes, then get prompt medical attention.

Since batteries produce explosive gases, keep all lighted materials (cigarettes, lighters, matches, etc.) away. Be sure to charge battery only in well-ventilated areas. Make certain venting path of battery (drain tube) is always open.

**KEEP BATTERIES
OUT OF THE REACH OF CHILDREN!**

ACTIVATING THE BATTERY

Do not activate battery (fill with battery acid) until battery is actually placed in service. Be certain to read previous warnings before activating the battery.

1. Open the battery pack. Be careful not to puncture the box. It contains the battery with a long plastic tube attached, battery fluid (acid) in a plastic container, one short plastic tube and one hardware pack (two hex bolts and nuts).
2. Place the battery on a table or workbench. Make certain the long plastic drain tube is in place on the vent elbow.
3. Remove the six fill caps from the top of the battery with a screwdriver. Be careful not to damage the fill caps. See figure 1.
4. Place the battery fluid container on the table or workbench. Carefully cut off tip of the spout and attach the short plastic tube provided. Do not squeeze the container when cutting tip.
5. Fill each battery cell slowly and carefully to the UPPER LEVEL line marked on battery. See figure 2. Use caution as the acid level will rise rapidly after the bottom of the cell is filled.
6. Allow battery to stand for 30 minutes with the fill caps removed, while the plates absorb acid.
7. If acid level has fallen after the 30 minute standing period, refill each cell with battery acid to the UPPER LEVEL line on battery. Replace the fill caps.
8. Before discarding the empty container, neutralize any residue with baking soda and rinse container with water. Puncture container several times before discarding.
9. Charge the battery after the 30 minute standing period. SLOW CHARGE THE BATTERY (DO NOT FAST CHARGE) at a maximum bench rate of 1.4 amperes until the specific gravity reading is 1.260-1.280. Charge for a minimum of 2 hours and a maximum of 8 hours.

NOTE

Charging rate after battery has been put into operation: The battery is to be charged for a period of 14-16 hours. NO LONGER THAN 30 HOURS.

After battery has been charged, add only distilled water. Do not add acid.

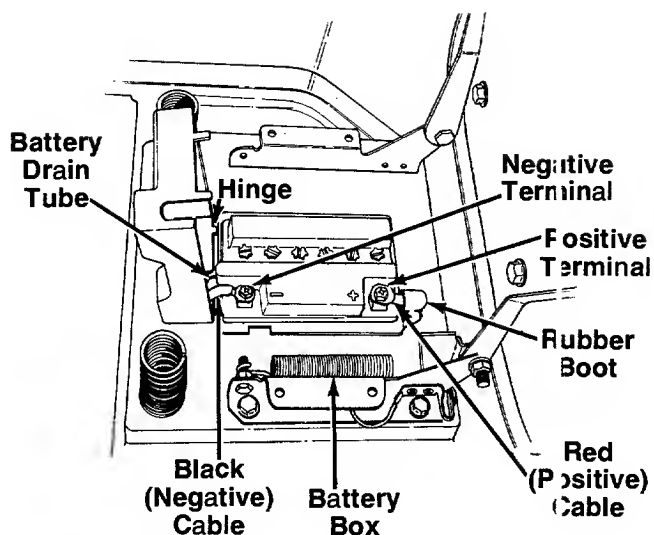


FIGURE 3.

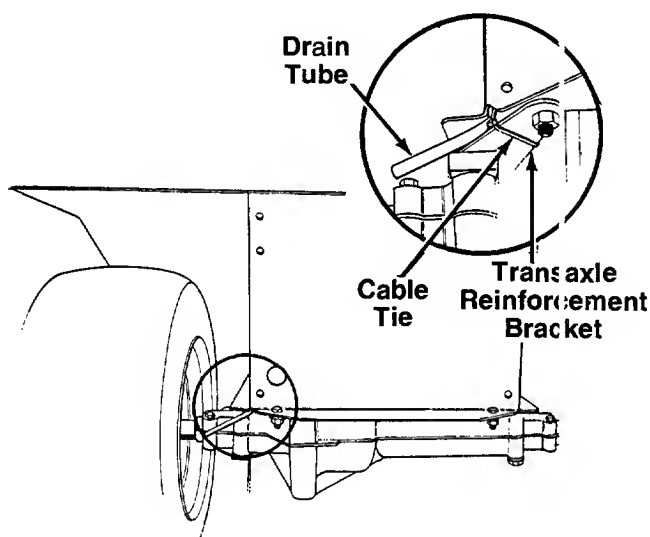


FIGURE 4.

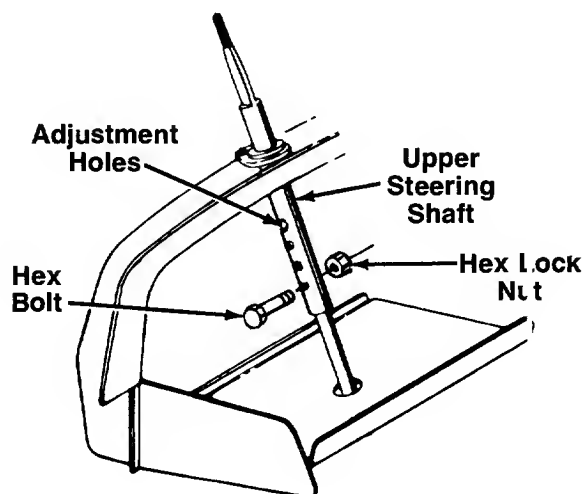


FIGURE 5.

NOTE

This engine is equipped with an alternator. The current for the battery charger alternator is unregulated. During normal operation, it is only necessary to charge the battery:

1. When it is activated for the first time.
2. Before winter storage.
3. Before using the lawn tractor after winter storage.

INSTALLING THE BATTERY (Hardware A)

1. Raise the seat bracket (on top of the fenders). Push any electrical wires out of the way so they are not disconnected when installing the battery box. Place the plastic battery box into the opening beneath the seat bracket. The hinge on the battery box goes toward the rear of the unit. Snap the battery box in place so the retaining edges on the box are beneath the fender. Make certain the battery cables are routed up along each side of the box. See figure 3.
2. Place the battery inside the battery box so that the positive terminal is toward the right side of the unit. See figure 3. Route the battery drain tube down beside the battery box.
3. Slide the hex nut (provided with battery hardware) into the positive (+) terminal. Place the positive (heavy red wire) cable on the positive terminal. Secure with bolt provided. See figure 3. Slide the rubber boot over the positive terminal.
4. Slide the hex nut (provided with battery hardware) into the negative (-) terminal. Place the negative (heavy black wire) cable on the negative terminal. Secure with bolt provided.
5. Secure the battery drain tube to the transaxle support bracket, using the cable tie as shown in figure 4. Be certain drain tube is routed away from the wheel rim. Trim excess end of cable tie.
6. Close the top of the battery box and lower the seat.

ATTACHING THE STEERING WHEEL (Hardware B)

1. Open the hood of the lawn tractor by lifting up on both sides of the hood.

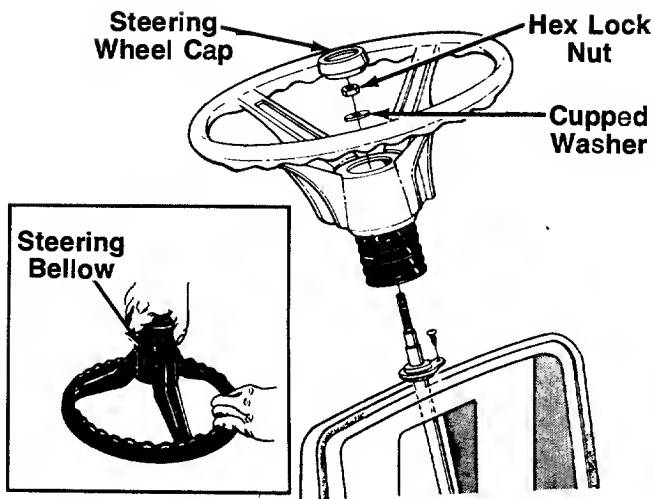
NOTE

On some models, it is necessary to release the hood latches on each side of the hood in order to raise the hood.

2. Insert large end of the upper steering shaft through the hole in the dash panel, over the lower steering shaft. See figure 5. The four holes in the upper steering shaft provide four steering wheel heights. Select desired hole, and secure with hex bolt and hex lock nut.

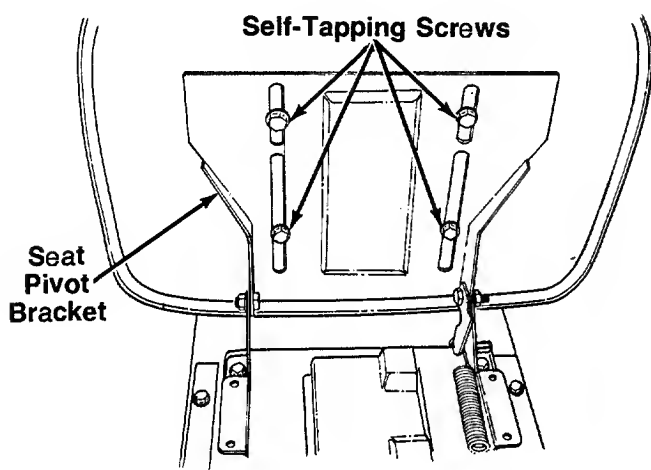
NOTE

On some models, the four adjustment holes are located above the dash panel.



3. Attach one end of steering bellow to the steering wheel as shown in figure 6, inset.
4. Position the front wheels of the tractor so they are pointing straight forward.
5. Place the steering wheel and steering bellow over the steering shaft, positioning steering wheel as desired.
6. Place the washer with the cupped side down over the steering shaft. Secure with 5/16" hex lock nut. See figure 6.
7. Place the steering wheel cap over the center of the steering wheel and seat it with your hand.

FIGURE 6.



ATTACHING THE SEAT (Hardware C)

Place the seat in position against the seat pivot bracket, lining up the slotted holes in the pivot bracket with the holes in the seat. Select desired position for the seat, and secure with hex self-tapping screws. See figure 7.

ATTACHING THE CHUTE DEFLECTOR

If your unit has been shipped without the chute deflector assembled, follow the instructions in the separate deck manual packed with your unit.



WARNING

Do not operate your unit unless the chute deflector has been properly installed.

FIGURE 7.

CONTROLS

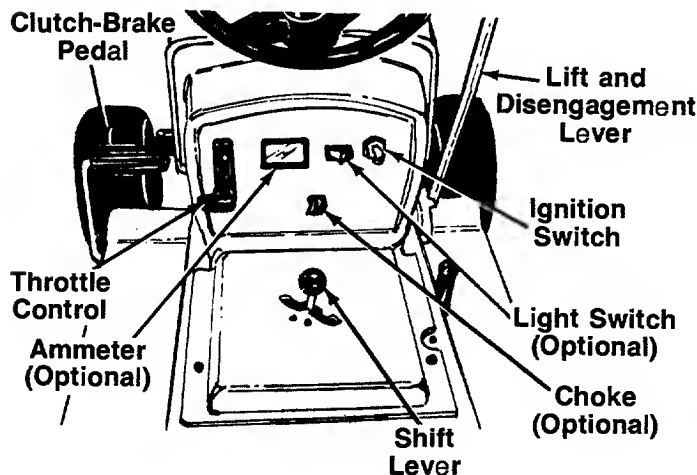


FIGURE 8.

THROTTLE CONTROL

The throttle control is used to regulate the engine speed. To get maximum efficiency from cutting, the throttle should be in the FAST position when operating the mower. See figure 8.

CHOKE CONTROL (OPTIONAL)

The choke control is located on the dashboard and is operated manually. Details for the choke operation are covered in the separate engine manual packed with your unit. See figure 8.

SHIFT LEVER

The shift lever is located in the center of the console and has three positions, FORWARD, NEUTRAL and REVERSE. See figure 8. The clutch-brake pedal must be depressed and the lawn tractor must not be moving when shifting gears. Do not force the shift lever.

Release the clutch-brake pedal slightly to line up the shifting collar in the transmission. Then try to shift gears.

SPEED CONTROL LEVER

The speed control lever allows you to regulate the ground speed of the lawn tractor. See figure 9. To select the ground speed, depress clutch pedal. Push speed control lever outward and move backward to slow lawn tractor, move forward to increase speed. When desired speed has been obtained, release lever in that position. Whenever clutch is engaged, unit will automatically go to the pre-set speed.

IGNITION SWITCH

Turn the key to the START position to start the engine. When the engine is running, let the key return to the ON position. To stop the engine, turn the key to the left to the OFF position and remove it to prevent accidental starting. See figure 8.

LIGHT SWITCH (Optional)

Push the light switch to turn on the lights. The lights will only operate when the engine is running. See figure 8.

AMMETER (Optional)

The ammeter registers the rate of battery charge or discharge. The ammeter will register on the discharging side when starting the engine. It should register on the opposite side (charging) when the engine is running in the fast position until the battery is completely charged. With a fully charged battery or with the engine idling, the ammeter will not show a charge. See figure 8.

CLUTCH-BRAKE PEDAL

The clutch-brake pedal is located on the left side of the lawn tractor. Depressing the clutch-brake pedal part way disengages the clutch. Pressing the pedal all the way down disengages the clutch and engages the disc brake. See figure 8.



The clutch-brake pedal must be depressed to start the engine.

PARKING BRAKE

The speed control lever is used to set the parking brake. To set the parking brake, depress the clutch-brake pedal. Press the speed control lever outward and all the way to the rear of the unit. Release the speed control lever and the clutch-brake pedal.

To release the parking brake, depress the clutch-brake pedal, press the speed control lever outward and move to desired position. Release the speed control lever and the clutch-brake pedal.

INCLINE ASSISTANCE BRAKE

When stopping on a hill, hold the incline assistance brake lever back while you release the clutch-brake pedal until the lawn tractor begins to move, then release the lever. This lever permits smoother starts and clutch engagement by holding the tractor during the brake release/clutch engagement operation. See figure 9.

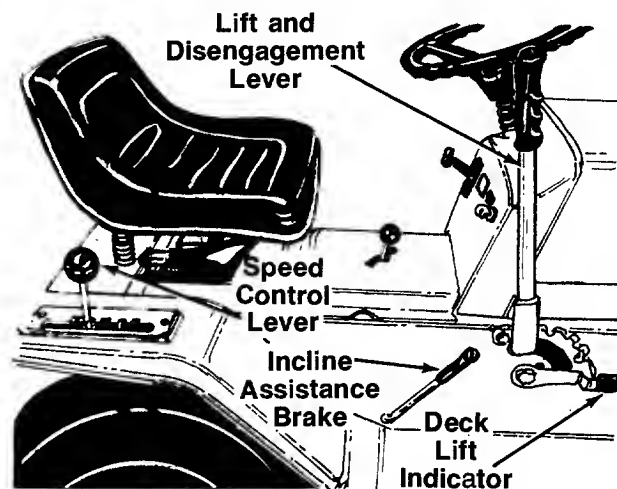


FIGURE 9.

INTERLOCKS (Not Shown)

Interlock safety switches are located on the clutch-brake pedal, the lift and disengagement lever, the gear shift lever and under the seat.

Before the engine will start, the clutch-brake pedal must be depressed all the way and the lift and disengagement lever must be in the disengaged position.

Before the unit can be shifted into reverse or if the operator leaves the seat, the lift and disengagement lever must be in the disengaged position.

CUTTING CONTROLS

A. LIFT AND DISENGAGEMENT LEVER

The lift and disengagement lever is used to raise and lower the cutting deck. Pulling it all the way back and locking it disengages the blades. The lift and disengagement lever **must** be in the disengaged position when starting the engine, when shifting into reverse or if the operator leaves the seat. See figure 9.

B. DECK LIFT INDICATOR

The deck lift indicator marks the position being used for the lift lever. Select the lift lever position desired, press the indicator lever outward, move it to the position immediately below the lift lever and release the indicator lever. See figure 9.

C. DECK WHEEL HEIGHT ADJUSTMENT

36" (802), 38" (805) and 40" (804) Decks: Move the deck wheel to the desired hole location in the deck.

34" (800) and 38" (801) Deck: Move the wheel height adjuster lever towards the wheel and set it in the desired height. See figure 10.

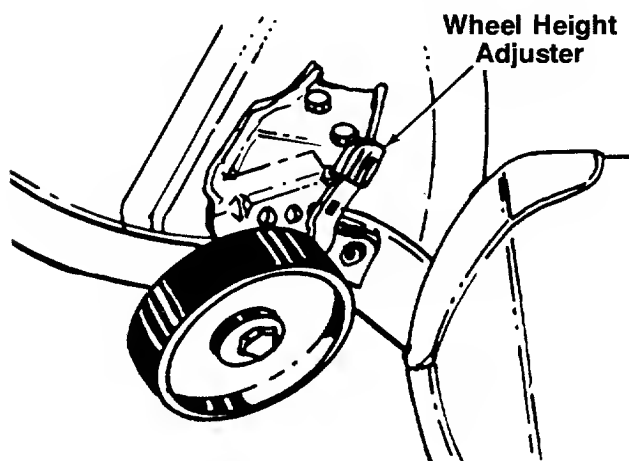


FIGURE 10.

D. SETTING THE CUTTING HEIGHT

1. Select the position for the lift lever which gives the desired cutting height. Move the deck lift indicator so that the lift lever can be returned to the same position after it is raised.
2. Set the deck wheels so that the wheels are $\frac{1}{4}$ to $\frac{1}{2}$ inch above the ground.

OPERATION

CAUTION

- READ OPERATOR'S MANUAL(S) • NEVER CARRY CHILDREN
- KNOW LOCATION AND FUNCTION OF ALL CONTROLS
- KEEP SAFETY DEVICES (GUARDS, SHIELDS AND SWITCHES) IN PLACE AND WORKING
- REMOVE OBJECTS THAT COULD BE THROWN BY BLADE(S)
- DO NOT OPERATE THE UNIT WHEN CHILDREN AND OTHERS ARE AROUND
- ALWAYS LOOK BEHIND THE UNIT BEFORE BACKING UP
- DO NOT OPERATE THE UNIT WHERE IT COULD SLIP OR TIP
- IF THE UNIT STOPS GOING UPHILL, STOP BLADE(S) AND BACK SLOWLY DOWNHILL
- BE SURE BLADE(S) AND ENGINE ARE STOPPED BEFORE PLACING HANDS OR FEET NEAR BLADE(S)
- BEFORE LEAVING OPERATOR'S POSITION, SHUT ENGINE OFF AND REMOVE KEY

TIRE PRESSURE

For shipping purposes, the tires on your unit may be over-inflated. Tire pressure should be reduced before unit is put into operation. Recommended operating tire pressure should be 10 p.s.i.

Check sidewall of tire for manufacturer's maximum tire pressure. If this information does not appear on your tire, maximum tire pressure under any circumstances is 30 p.s.i. Equal tire pressure should be maintained on all tires.

STARTING THE ENGINE

NOTE

To open the hood, simply lift up on both sides of the hood on all models except Models 531, 541, 561, 601, 611, 631, 641 and 651.

1. Service the engine with oil and gasoline as described in the engine manual.
2. Depress the clutch-brake pedal and set the parking brake.
3. Place the lift and disengagement lever in the **DISENGAGED** position. See figure 9.

NOTE

This unit is equipped with a **safety interlock system** for your protection. The purpose of the safety interlock system is to prevent the engine from cranking or starting unless the clutch-brake pedal is depressed and the lift and disengagement lever is in the disengaged position. In addition, the lift and disengagement lever must be in the disengaged position when the unit is put into reverse or the engine will shut off. If the operator leaves the seat with the lift and disengagement lever engaged, the engine will shut off.



WARNING

Do not operate the lawn tractor if the interlock system is malfunctioning because it is a safety device, designed for protection.

4. Set the throttle control in the **FAST** position. See figure 8.
5. Pull out choke knob to choke engine.

NOTE

A warm engine may not require choking.

6. Turn the ignition key to the **START** position. When the engine is running, let the key return to the **ON** position. See figure 8.
7. Push choke knob in gradually. Move the throttle control to desired engine speed.

STOPPING THE ENGINE

Turn the ignition key to the left to the **OFF** position. Remove the key to prevent accidental starting.

NOTE

A brief break-in period is essential to ensure maximum engine and mower life. The break-in consists of running the engine at half speed for a period of time required to use one tank of gasoline. It is also recommended to change crankcase oil after the first 5 hours of operation.

Be sure that the lawn is clear of stones, sticks, wire, or other objects which could damage lawn tractor or engine. For best results and to insure more even grass distribution, do not mow when lawn is excessively wet.

IMPORTANT

If you strike a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the unit for any damage, and repair the damage before restarting and operating the mower.

NOTE

If any problems are encountered, refer to the Trouble Shooting Chart on page 21.

OPERATING THE LAWN TRACTOR

1. Set the desired cutting height.
2. Start the engine as instructed on page 11.
3. Move throttle control to $\frac{3}{4}$ or full throttle to prevent strain on the engine and to operate the cutting blades.
4. Place the shift lever in either the FORWARD or REVERSE position.



CAUTION

Look to the rear before backing up

5. Release the parking brake by depressing the clutch-brake pedal, pressing outward on the speed control lever and moving to desired position.

NOTE

Use first speed position when operating the lawn tractor for the first time.

6. Release clutch-brake pedal slowly to put unit into motion.

7. The lawn tractor is brought to a stop by depressing the clutch-brake pedal.

NOTE

When operating the unit initially, there will be little difference between the highest two speeds until after the belts have seated themselves into the pulleys during the break-in period.



CAUTION

If the unit is not to be used for a long period, place the gear shift lever in NEUTRAL, stop the engine, set the parking brake and remove the key. DO NOT leave the machine on an incline.

If unit stalls with speed control in high speed, or if unit will not operate with speed control lever in a low speed position, proceed as follows.

1. Place shift lever in NEUTRAL.
2. Restart engine.
3. Place speed control lever in high speed position.
4. Release clutch-brake pedal fully.
5. Depress clutch-brake pedal.
6. Place speed control lever in desired position.
7. Place shift lever in either FORWARD or REVERSE, and follow normal operating procedures.

OPERATING THE CUTTING BLADES

The cutting blades may be engaged while the lawn tractor is moving or standing still. DO NOT engage the cutting blades abruptly as the sudden belt tension on the pulley may cause the engine to stall.



WARNING

When the blade drive is engaged, keep feet and hands away from the discharge opening, the blades or any part of the deck.

Move the lift and disengagement lever into the DISENGAGED position to raise the deck and disengage the blades.

NOTE

When the machine is used for other than mowing operations, the blade drive should be disengaged.

GRASS CATCHERS are available as optional equipment for the lawn tractors shown in this manual.

Deck	Grass Catcher
30" Rear Discharge (190-799)	190-056
34" Side Discharge (190-800)	190-015
38" Side Discharge (190-801)	190-015
38" Side Discharge (190-805)	190-064



WARNING

The mower should not be operated without the entire grass catcher or chute deflector in place.



NOTE

Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

For replacement bags, use only factory authorized replacement bag.

ADJUSTMENTS

SEAT ADJUSTMENT

The seat may be adjusted to different positions. Refer to seat installation section of assembly instructions.

STEERING WHEEL ADJUSTMENT

There are four height positions for the steering wheel. To adjust the height of the steering wheel, remove the hex bolt and hex lock nut on the steering shaft. Place the steering wheel in the position desired and secure with hex bolt and hex lock nut. Refer to figure 5.



NOTE

When raising the height of the steering wheel, stretch the steering bellow to cover the steering shaft.

DECK LEVELING ADJUSTMENT

If an uneven cut is obtained, the deck may be leveled as follows.

1. Remove the transmission cover:
 - a. Place the gear shift lever in the neutral position. Unscrew the gear shift knob.
 - b. Remove the two truss head screws which secure the transmission cover.
 - c. Lift the transmission cover. Unplug the safety wire from beneath the transmission cover, and remove cover.

2. Using a 1/2" wrench, loosen the jam nut. See figure 11.
3. With unit on hard, level surface, measure the distance from the bottom edge of the center of the left side of deck to the ground. Measure the same distance on the center of the right side of the deck (just behind the chute area on side discharge units). Or, place the blades in a straight line, and measure the distance from the outside edge of the blade tips to the ground.
4. Adjust the deck as follows: To lower the left side of the deck, tighten the adjusting screw. To raise the left side of the deck, back the adjusting screw off several turns. Remeasure the deck as described in step 3, and readjust if necessary. Tighten the jam nut to secure the adjusting screw when the deck is level.
5. Replace the transmission cover, following the instructions in step 1 in reverse order. Be certain to reconnect the safety wire.

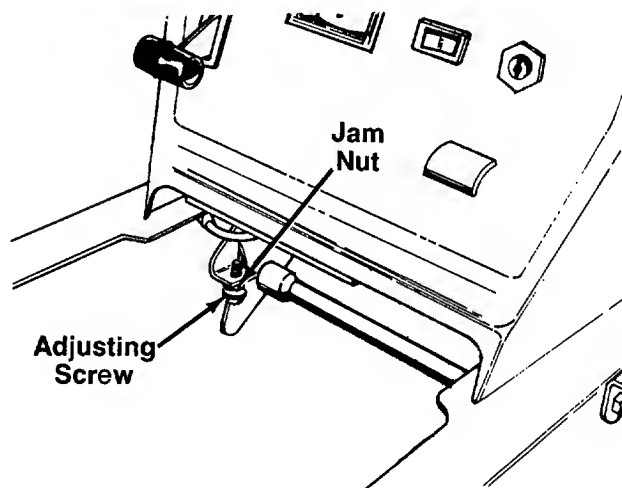


FIGURE 11.

SPEED CONTROL ADJUSTMENT (See figure 12)



NOTE

When operating the unit initially or after replacing the belts, there will be little difference between the highest two speeds until after the belts have gone through a break-in period and have seated themselves into the pulleys.

First, adjust the speed control lever by pushing the clutch-brake pedal forward until the stop on the speed control rod is against the running board rod. See figure 12. Have another person hold the pedal in this position as you make the following adjustment. Place the speed control lever in parking brake position. Remove the hairpin cotter and flat washer, and adjust the fer-

rule on the rod so it is against the back end of the slot. See figure 12. Replace the flat washer and hairpin cotter.

Next, adjust the speed control link as follows to obtain the correct neutral adjustment.

1. Start the engine.
2. Place the shift lever in Neutral position.
3. Place the speed control lever in high speed position.
4. Release the clutch-brake pedal completely, then slowly depress the pedal all the way (to park position). Hold the pedal in this position.
5. Turn the engine off.
6. After engine stops completely, release the clutch-brake pedal.
7. Position speed control lever as follows.
 - A. 7-speed units—Place speed control lever in second position.
 - B. 6-speed units—Place speed control lever between first and second position (hold in this position).
 - C. 4 and 5-speed units—Place speed control lever in first position.

Units with 34", 38" or 40" Decks:

8. Remove the cotter pin and flat washer which secures the speed control link to the variable speed torque bracket assembly.

9. Push the clutch-brake pedal backward by hand as far as it will go using light pressure. Hold it in this position as you thread the speed control link in or out of the ferrule until it lines up with the pin on the variable speed torque bracket assembly.
10. Secure speed control link to variable speed torque bracket assembly with flat washer and cotter pin.

Units with 30" Decks:

11. Remove the hairpin cotter and flat washer from the ferrule on the speed control link.
12. Push the clutch-brake pedal backward by hand as far as it will go using light pressure and hold it in this position as you adjust the ferrule on speed control link to line up with the hole in clutch-brake pedal.
13. Secure with flat washer and hairpin cotter.

NEUTRAL ADJUSTMENT

1. Place the transmission in neutral. (The unit will move freely when pushed forward and backward with the parking brake released.)
2. Loosen the bolt which secures the shift lever assembly to the shift lever link. See figure 13.
3. Place the shift lever in the neutral slot. See figure 13.
4. Tighten the bolt to 13 foot pounds.

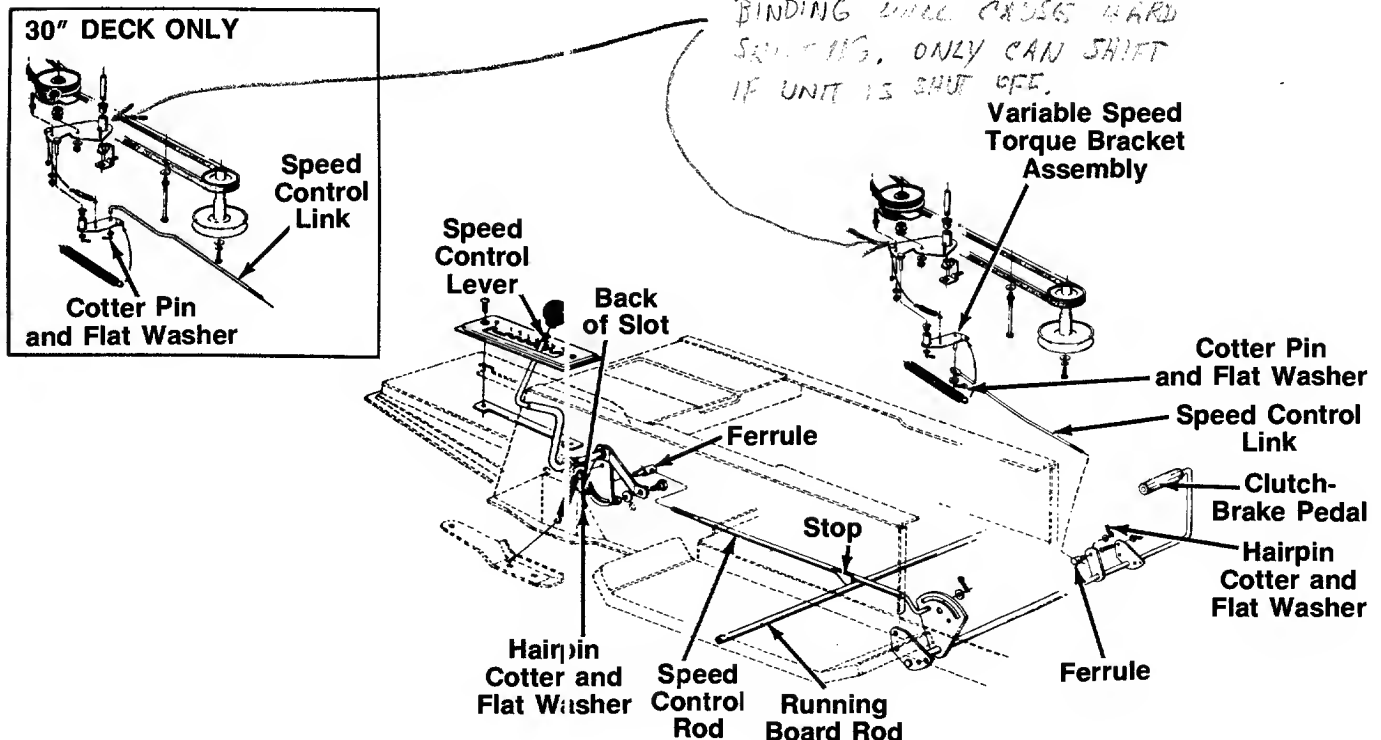


FIGURE 12.

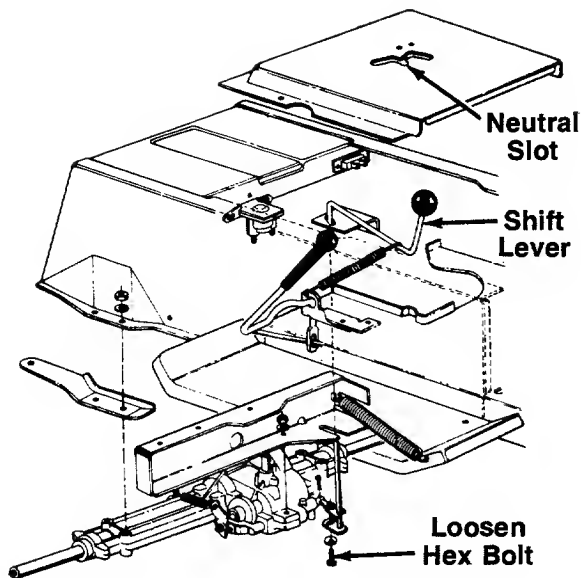


FIGURE 13.

WHEEL ADJUSTMENT

The caster (forward slant of the king pin) and the camber (tilt of the wheels out at the top) require no adjustment. Automotive steering principles have been used to determine the caster and camber on the tractor. The front wheels should toe-in 1/8 inch.

To adjust the toe-in, follow these steps.

1. Remove the hex nut and lock washer, and drop the tie rod end from the wheel bracket. See figure 14.
2. Loosen the hex jam nut on tie rod.
3. Adjust the tie rod assembly for correct toe-in.

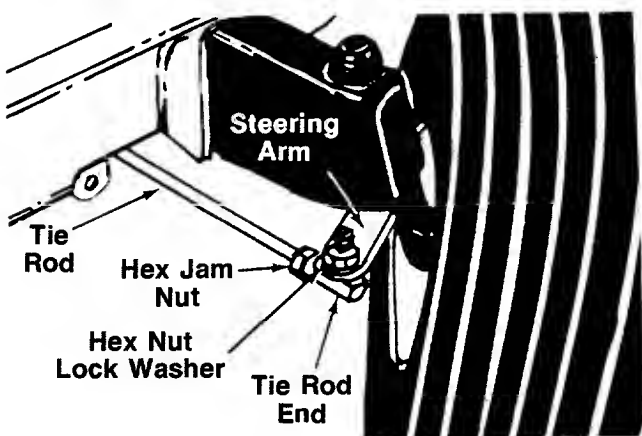


FIGURE 14.

Dimension "B" should be approximately 1/8" less than Dimension "A." See figure 15.

- A.) To increase Dimension "B," screw tie rod into tie rod end.

- B.) To decrease Dimension "B," unscrew tie rod from tie rod end.
C.) Reassemble tie rod. Check dimensions. Readjust if necessary.

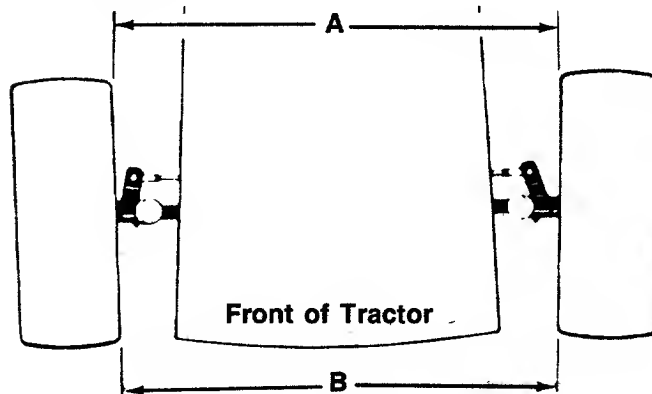


FIGURE 15. TOE-IN DIAGRAM

CARBURETOR ADJUSTMENT



WARNING

If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load. To adjust the carburetor, refer to the separate engine manual packed with your unit.

NOTE

A dirty air cleaner will cause an engine to run rough. Be certain air cleaner is clean and attached to the carburetor before adjusting carburetor. Refer to the separate engine manual.

BRAKE ADJUSTMENT (See figure 16)

The brake is located by the right rear wheel inside the frame. During normal operation of this machine, the brake is subject to wear and will require periodic examination and adjustment.



WARNING

Do not have the engine running when you adjust the brake.

To adjust the brake, remove the cotter pin. Adjust the castle nut so the brake starts to engage when the brake lever is $\frac{1}{4}$ " to $\frac{5}{16}$ " away from the axle housing.

NOTE

Figure 16 is shown with the unit tipped up on rear wheels for clarity only.

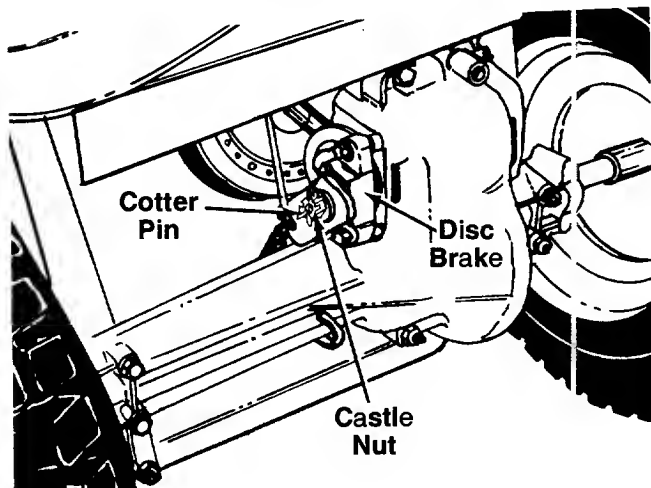


FIGURE 16.

LUBRICATION



WARNING

Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on lawn tractor.

STEERING GEARS

Lubricate teeth of steering gears with automotive multi-purpose grease after every 25 hours of operation or once a season. See figure 17.

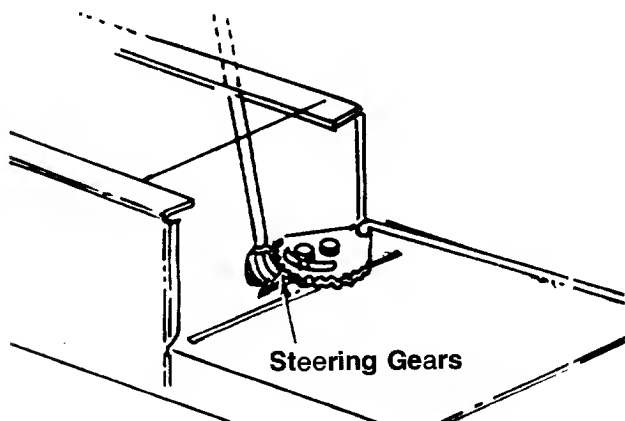


FIGURE 17.

STEERING SHAFT

Lubricate steering shaft at least once a season with light oil.

TRANSAXLE

The transaxle is lubricated and sealed at the factory and does not require checking. If disassembled for any reason, lubricate with 10 oz. of grease, part number 737-0148.

FRONT WHEELS

The front wheels are provided with grease fittings. Lubricate at least once a season with automotive multi-purpose grease.

PIVOT POINTS

Lubricate all pivot points with light oil at least once a season.

MAINTENANCE



WARNING

Disconnect the spark plug wire and ground against the engine before performing any repairs or maintenance.

TROUBLE SHOOTING

Refer to page 21 of this manual for trouble shooting information.

CRANKCASE OIL

Check the oil level in the crankcase before each use of the machine and after every five hours of operation. Oil level should be maintained as instructed in the separate engine manual.

After the first five hours of operating a new engine, drain the oil from the crankcase while engine is still hot and refill crankcase with new oil; thereafter change the oil every 25 hours of operation. Refer to the engine manual.

AIR CLEANER

Under normal operating conditions, the air cleaner, located on top of the carburetor, must be serviced after every ten hours of use. Under extremely dusty operating conditions, the air cleaner must be serviced after every hour of operation. To service the air cleaner, refer to the separate engine manual packed with your unit.

CLEANING ENGINE AND BLADE HOUSING

Any fuel or oil spilled on the machine should be wiped off promptly. Grass, leaves, and other dirt must not be left to accumulate around the cooling fins of the engine or on any part of the machine.

Clean the underside of the blade housing after each mowing.

SPARK PLUG

The spark plug should be cleaned and the gap reset once a season. Spark plug replacement is recommended at the start of each mowing season; check engine manual for correct plug type and gap specification.

CUTTING BLADE

A. Removal for Sharpening or Replacement



WARNING

Be sure to disconnect and ground the spark plug wire and remove ignition key before working on the cutting blade to prevent accidental engine starting. Protect hands by using heavy gloves or a rag to grasp the cutting blades.

1. Remove the large bolt and lock washer which holds the blade and adapter to the blade spindle.
2. Remove the blade and adapter from the spindle. ~~Be careful not to lose the key on the spindle (if so equipped).~~
3. If the blade or blade adapter needs replacing, remove the two small bolts, lock washers and nuts which hold the blade to the adapter.

B. Sharpening

Remove the cutting blade by following the directions of the preceding section.

When sharpening the blade, follow the original angle of grind as a guide. It is **extremely important** that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds, may cause damage to the mower and could break, causing personal injury.

The blade can be tested for balance by balancing it on a round shaft screwdriver. Remove metal from the heavy side until it balances evenly.



NOTE

It is recommended that the blade always be removed from the adapter for the best test of balance.

C. Reassembly

Before reassembling the blade and the blade adapter to the unit, lubricate the spindle and the inner surface of the blade adapter with light oil. Lubricating the bolt holes, bolts and inner surface of the nuts with light oil

is also recommended. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

When replacing the blade, be sure to install the blade with the side of the blade marked "Bottom" (or with part number) facing the ground when the mower is in the operating position. Make certain key is in place on the crankshaft (if so equipped).

Blade Mounting Torque

3/8" Dia. Bolt 375 in. lb. min., 450 in. lb. max.

5/16" Dia. Bolt 150 in. lb. min., 250 in. lb. max.

To insure safe operation of your unit, ALL nuts and bolts must be checked periodically for correct tightness.

FUEL FILTER

Your unit is equipped with a replaceable in-line fuel filter. Replace filter whenever contamination or discoloration is noticed. Order replacement filter through your engine authorized service dealer.

DRIVE BELT REMOVAL AND REPLACEMENT



WARNING

Disconnect the spark plug wire and ground it against the engine. Block the wheels of the unit.



NOTE

Figures 20 through 23 are shown with the unit tipped up for clarity. It is not necessary to tip the unit to remove the belts.

However, if tipping the unit is desired, remove the battery from the unit. To prevent gasoline leakage, drain the gasoline, or remove the fuel tank cap, place a thin piece of plastic over the neck of the fuel tank and screw on the cap. Be certain to remove the plastic when finished changing the belts. Block unit securely.

Rear Drive Belt *REMOVE SHIFT KNOB*

1. Remove the two truss head screws which secure the transmission cover. See figure 18A.
2. Lift the transmission cover. Unplug the safety wire from beneath the transmission cover. See figure 18B. Remove transmission cover.

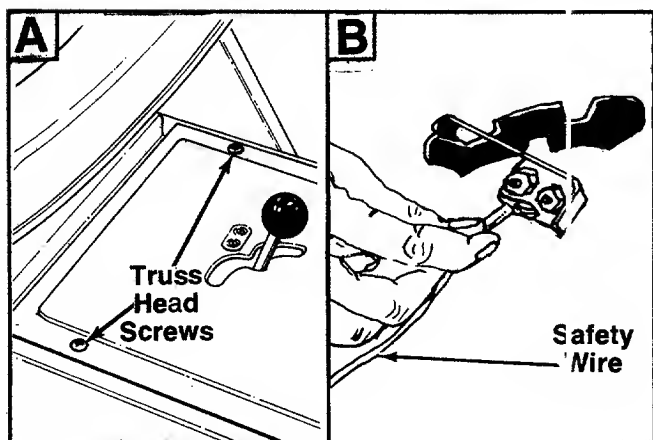


FIGURE 18.

3. Push the idler pulley toward the right side of the unit. Lift the belt over the idler pulley. See figure 19.
4. Remove the belt from the variable speed pulley.
5. Remove the two bolts which hold the shift lever bracket to the frame on the left side of the unit. Swing the bracket toward the right so the belt can be removed from the transmission pulley. See figure 19.
6. Replace belt, and reassemble in reverse order.

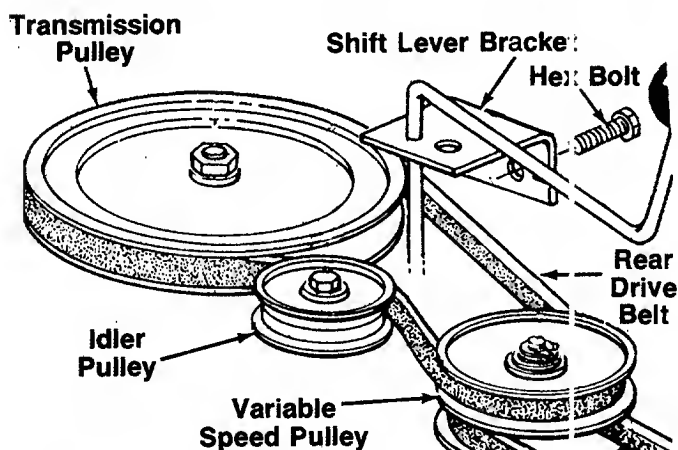


FIGURE 19.

Front Drive Belt

1. To remove the front drive belt, first remove the rear drive belt from the idler pulley and variable speed pulley.
2. Place the lift lever in the disengaged position.
3. Remove the three hex bolts (belt keepers) from the engine pulley belt guard. See figure 20.

NOTE

Make certain hex bolts are reassembled as shown in figure 20.

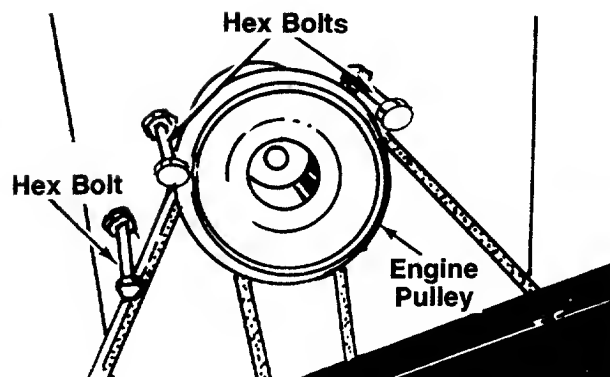


FIGURE 20.

4. Unhook the deck belt from the engine pulley.
5. Remove the two bolts, lock washers and nuts on each side of the frame which hold the engine pulley belt guard to the frame. See figure 21.

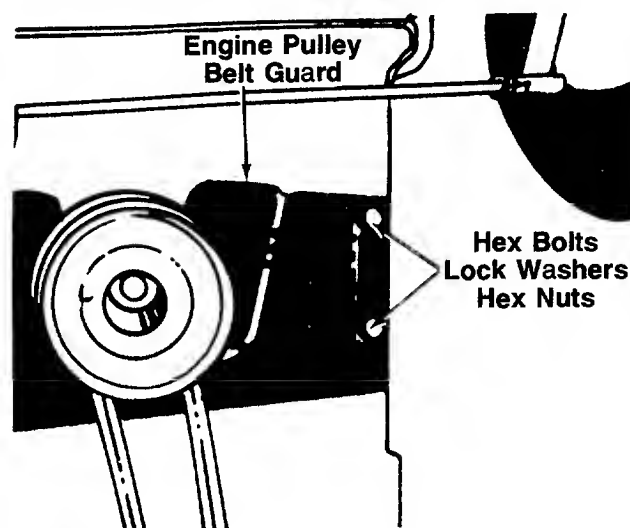


FIGURE 21.

6. Remove the engine pulley belt guard by slipping it back and to the right. See figure 22.

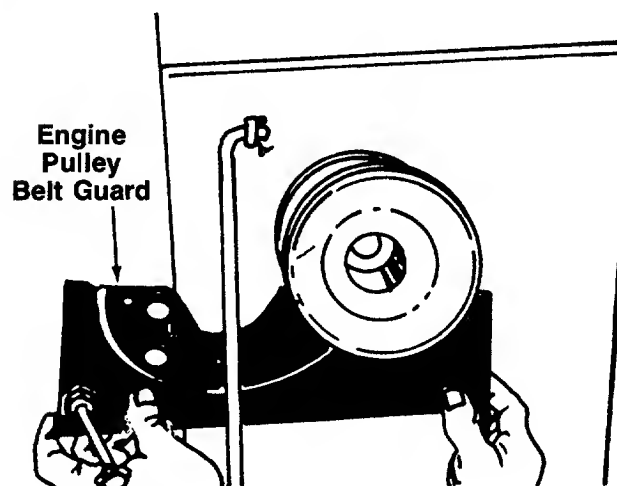


FIGURE 22.

7. Place the clutch-brake pedal in park position.
8. Push forward on the variable speed pulley, and lift the belt off the engine and remove the belt from the engine pulley.
9. Release the clutch-brake pedal. Using the pedal to move the variable speed pulley as necessary, lift the belt up and off the variable speed pulley.

NOTE

When reassembling, make certain belt is inside the pins. See figure 23.

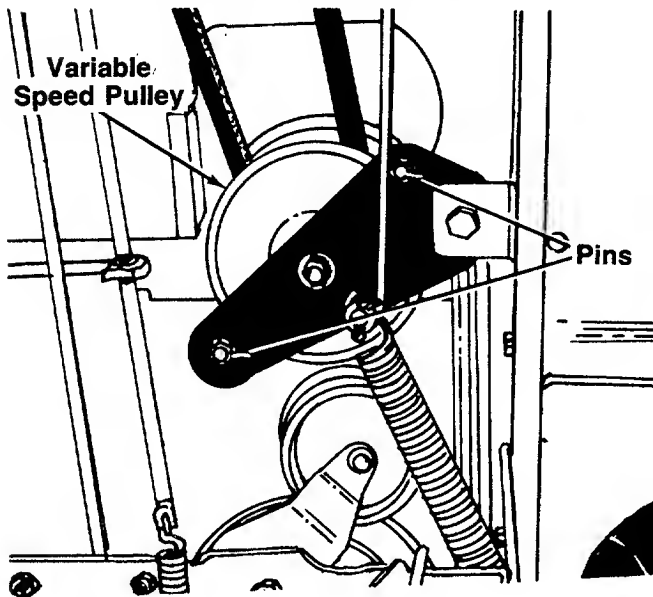


FIGURE 23.

10. Reassemble with a new belt, following instructions in reverse order.

BATTERY REMOVAL OR INSTALLATION



When removing the battery, follow this order of disassembly to prevent the screwdriver from shorting against the frame.

1. Remove the Negative cable.
2. Remove the Positive cable.

To install a battery:

1. Attach the Positive cable.
2. Attach the Negative cable.

JUMP STARTING

1. Attach the first jumper cable from the Positive terminal of the good battery to the Positive terminal of the dead battery.

2. Attach the second jumper cable from the Negative terminal of the good battery to the FRAME OF THE UNIT WITH THE DEAD BATTERY.



Failure to use this starting procedure could cause sparking, and the gas in either battery could explode.

BATTERY MAINTENANCE

1. Check periodically (every two weeks or before and after charging) to be sure electrolyte level is above the lowest line on battery. Add only distilled water or a good quality drinking water. NEVER add additional acid or other chemicals to battery after initial activation.
2. The battery should be checked with a hydrometer after every 25 hours of operation. If the specific gravity is less than 1.225, remove battery and recharge.
3. Coat the terminals and exposed wiring with a thin coat of grease or petroleum jelly for longer service and protection against electrolyte corrosion.
4. The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells.

BATTERY STORAGE

1. Charge battery using normal methods. NEVER store discharged battery as it will not recover.
2. When storing battery for extended periods, disconnect battery cables. Removing battery from unit is recommended.
3. Store in cold, dry place.
4. Recharge battery whenever the specific gravity is less than 1.225, before returning to service, or every two months, whichever occurs first.

COMMON CAUSES FOR BATTERY FAILURE ARE:

1. Overcharging
2. Undercharging
3. Lack of water
4. Loose holds downs and/or corroded connections
5. Excessive loads
6. Battery electrolyte substitutes
7. Freezing of electrolyte

NOTE

THESE FAILURES DO NOT CONSTITUTE WARRANTY.

INSTALLATION OF TIRE TO RIM



The following procedure must be followed when removing or installing a tire to the rim.

1. Be sure rim is clean and rust free.
2. Lubricate both the tire and rim generously.
3. Never inflate to over 30 p.s.i. to seat beads. Excessive inflation pressure when seating beads may cause tire/rim assembly to burst with force sufficient to cause serious injury.

2. Lubricate all lubrication points. Wipe the entire machine with an oiled rag to protect the surfaces.
3. Refer to the engine manual for correct engine storage instructions. The engine must be completely drained of fuel to prevent gum deposits from forming on essential carburetor parts, fuel lines and fuel tanks.
4. Refer to battery storage instructions on page 19.
5. Store unit in a clean, dry area.

NOTE

When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rustproof the equipment. Using a light oil or silicone, coat the equipment, especially any chains, springs, bearings and cables.

OFF-SEASON STORAGE

If the machine is to be inoperative for a period longer than 30 days, prepare for storage as follows.

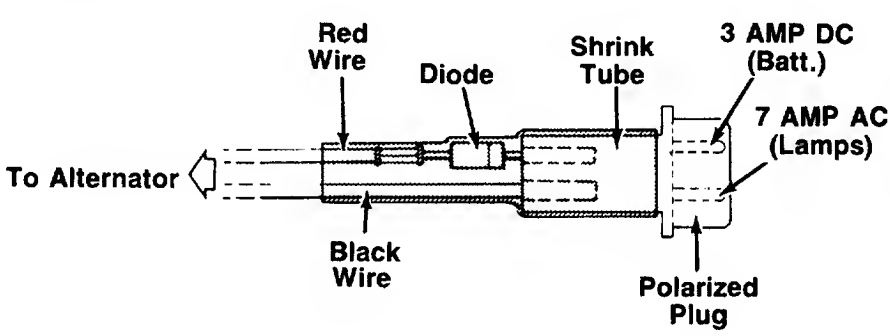
1. Clean the engine and the entire unit thoroughly.

At the time of manufacture of lawn tractor, the following optional equipment is available.

Description	Model No.
36" Single Stage Snow Thrower	190-491-000
42" Dozer Blade	190-485-000
Front Counterweight	190-745-000
Tire Chains—16 x 6.5	190-654-000
18 x 8.5	190-754-000
18 x 9.5	190-657-000
31 Lb. Wheel Weights	290-215-000
Grass Catchers:	
30" Rear Discharge Deck (190-799)	190-056-000
34" Side Discharge Deck (190-800)	190-015-000
38" Side Discharge Deck (190-801)	190-015-000
38" Side Discharge Deck (190-805)	190-064-000
Gang Reel (Set of three)	42-0193*
38" Lawn Sweeper	42-0173*
Heavy Duty Lawn Roller	31-0179*
Heavy Duty Dump Cart	41-0171*
Tine De-Thatcher	41-0166*

*Available through your local dealer or from Agri-Fab Inc., 303 W. Raymond Street, Sullivan, Illinois 61951 (217) 728-4334.







TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

TROUBLE	LOOK FOR	REMEDY
Engine will not crank	Battery installed incorrectly	The battery must be installed with the negative terminal, identified at the terminal post by (Neg, N or -), grounded. The positive terminal (Pos, P or +) attaches to the large cable from the solenoid. The small red wire from the fuse holder or circuit breaker is also attached to the positive terminal.
	Blown fuse or circuit breaker	Replace fuse with 7½ amp. fuse ¼ x 1¼" lg. Circuit breaker will reset itself when it cools off. Fuses or circuit breakers seldom open or fail without a reason. The problem must be corrected. Check for loose connections in the fuse holder. Replace fuse holder if necessary. A dead short may be in the cranking or charging circuit where the insulation may have rubbed through and exposed the bare wire. Replace the wire or repair with electrician's tape if the wire strands have not been damaged. Note: Look for a wire pinched between body panels, burned by the exhaust pipe or muffler or rubbed against a moving part.
	Battery is dead or weak	<p>Use a hydrometer to check the condition of the battery. The Specific Gravity (s.g.) should be 1.265 at 80°F. (1.215 s.g. minimum needed for cranking engine). The reason for the battery failing must be determined. (1) Defective battery. Battery will not accept or hold a full charge. (2) Short circuit. Check for grounded wire. (3) Charging system not working.</p> <p>The charging system is an alternator located under the flywheel. It is unregulated and rated 3 amp. at 3600 r.p.m. A diode (rectifier) is located in the output lead just before the wire harness plug on the engine side.</p> <div style="text-align: center;">  <p>The diagram shows a cross-section of the wiring harness. On the left, a red wire is labeled 'Red Wire' and a black wire is labeled 'Black Wire'. They both pass through a 'Diode' and a 'Shrink Tube'. The red wire is labeled '3 AMP DC (Batt.)' and the black wire is labeled '7 AMP AC (Lamps)'. An arrow points from the red wire to the left, labeled 'To Alternator'. A 'Polarized Plug' is shown at the end of the wires on the right.</p> </div> <p>The diode changes A.C. to D.C. to charge the battery. A bad diode can either fail to charge the battery or discharge the battery if the alternator is shorted as well as the diode. To test: (1) Disconnect charger lead from the battery (small red wire). (2) Connect 12 V small test lamp between the 3 amp. D.C. charge lead and the positive terminal of the battery. (3) With the engine off, the lamp should not light. If it does, the diode and possibly the alternator should be replaced. (4) Start the engine. The lamp should light. If it does not, the alternator (stator) or lead wire is bad and should be replaced.</p>
Engine cranks but will not start	Mechanical failure (Wires and switches)	The interlock system includes two mechanical activated switches which are wired in series in the circuit used to energize the starter solenoid. While testing the interlock system, you will make the mower temporarily unsafe by permitting the engine to be started with the blade and clutch engaged. WARNING: While testing, disengage the clutch, shut off the blade control, set the parking brake and place the gear shift lever in neutral. Attach a wire (minimum 18 gauge) to the positive terminal of the battery and touch the other end to the small terminal on the solenoid. If the engine does not crank: (1) There is a loose connection or poor ground. (2) The solenoid may be bad. The solenoid can be checked by using a heavy wire (#8 gauge minimum) and jumping between the two large terminals. If the engine cranks, the solenoid is bad. (3) If the engine does not crank when you jump the solenoid, have the starter motor tested by an authorized engine dealer. If the engine does crank, the problem is with one of the safety switches, ignition switch or the wire between the fuse holder (or circuit breaker) and the small terminal on the solenoid. Note: Look for a poor connection at the switches or a defective switch. Replace if necessary.
	Throttle or choke not in starting position	Check owner's guide for correct position for throttle control and choke for starting.
Engine cranks but will not start	No spark to spark plug	<p>Spark plug lead disconnected. Connect lead. Hold spark plug lead away from engine block about 1/8". Crank engine. There should be a spark. If not, have engine repaired at authorized engine service dealer.</p> <p>Faulty spark plug. To test, remove spark plug. Attach spark plug lead to spark plug. Ground the spark plug body against the engine block. Crank the engine. The spark plug should fire at the electrode. Replace if it does not.</p>

TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

TROUBLE	LOOK FOR	REMEDY
	No fuel to the carburetor	Gasoline tank empty. Fill. Fuel line or in-line fuel filter plugged. Remove and clean fuel line. Replace filter if necessary.
	Air filter dirty	If the air cleaner is dirty, the engine may not start. Clean or replace as recommended by the engine manufacturer.
Engine smokes	Engine loses crankcase vacuum	Dipstick not seated or broken. Replace defective part. Engine breather defective. Replace.
Excessive vibration	Bent or damaged blade spindle	Stop engine immediately. Check all pulleys, blade adapters, keys and bolts for tightness and damage. Tighten or replace any damaged parts.
	Bent blade	Stop engine immediately. Replace damaged blade. Only use original equipment blades.
Mower will not discharge grass or leaves uncut strips	Engine speed low Transmission selection Blades short or dull	Throttle must be set between 3/4 and full throttle. Use lower transmission speed. The slower your ground speed, the better the quality of cut. Sharpen or replace blades (uncut strip problem only).

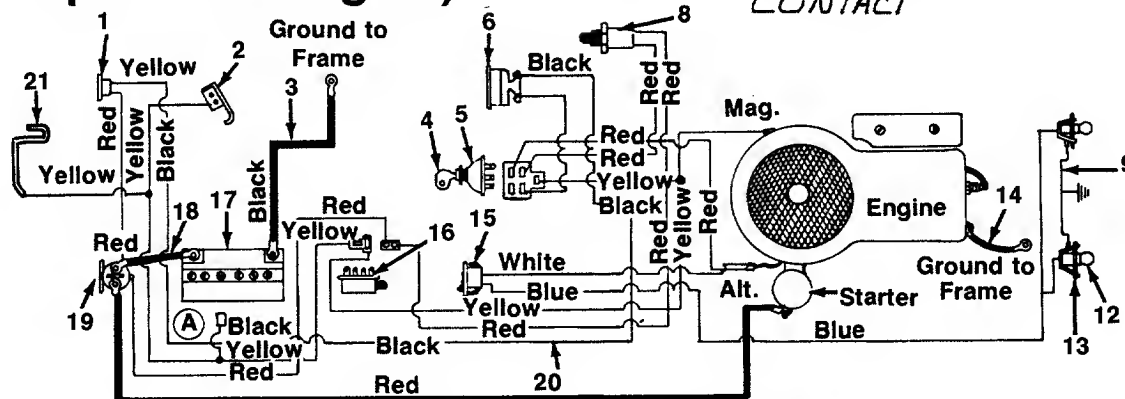
MODEL IDENTIFICATION

Sheet Metal	Model No.	Deck	Front Wheels	Rear Wheels
Style 0 	530, 540	30" Rear Discharge (190-799)	13 x 5	18 x 6.5
	560	40" Rear Discharge (190-804)	15 x 6	18 x 6.5
	600	38" Side Discharge (190-801)	13 x 5	18 x 6.5
	610	38" Side Discharge (190-801)	15 x 6	18 x 9.5
	630, 640, 650	38" Side Discharge (190-805)	15 x 6	18 x 9.5
Style 1 	531, 541	30" Rear Discharge (190-799)	13 x 5	18 x 6.5
	561	40" Rear Discharge (190-804)	15 x 6	18 x 6.5
	601	38" Side Discharge (190-801)	13 x 5	18 x 6.5
	611	38" Side Discharge (190-801)	15 x 6	18 x 9.5
	631, 641, 651	38" Side Discharge (190-805)	15 x 6	18 x 9.5
Style 2 	532, 542	30" Rear Discharge (190-799)	13 x 5	18 x 6.5
	562	40" Rear Discharge (190-804)	15 x 6	18 x 6.5
	602	38" Side Discharge (190-801)	13 x 5	18 x 6.5
	612	38" Side Discharge (190-801)	15 x 6	18 x 9.5
	632, 642, 652	38" Side Discharge (190-805)	15 x 6	18 x 9.5
Style 3 	533, 543	30" Rear Discharge (190-799)	13 x 5	18 x 6.5
	563	40" Rear Discharge (190-804)	15 x 6	18 x 6.5
	603	38" Side Discharge (190-801)	13 x 5	18 x 6.5
	613	38" Side Discharge (190-801)	15 x 6	18 x 9.5
	633, 643, 653	38" Side Discharge (190-805)	15 x 6	18 x 9.5
Style 7 	537, 547	30" Rear Discharge (190-799)	13 x 5	18 x 6.5
	567	40" Rear Discharge (190-804)	15 x 6	18 x 6.5
	607	38" Side Discharge (190-801)	13 x 5	18 x 6.5
	617	38" Side Discharge (190-801)	15 x 6	18 x 9.5
	637, 647, 657	38" Side Discharge (190-805)	15 x 6	18 x 9.5
Style 8 	538, 548	30" Rear Discharge (190-799)	13 x 5	18 x 6.5
	568	40" Rear Discharge (190-804)	15 x 6	18 x 6.5
	608	38" Side Discharge (190-801)	13 x 5	18 x 6.5
	618	38" Side Discharge (190-801)	15 x 6	18 x 9.5
	638, 648, 658	38" Side Discharge (190-805)	15 x 6	18 x 9.5

138-631 A062
USE wire harness
725-1187

Models 530 thru 568, 600 thru 658 (with square headlights)

BATTERY HARDWARE PART No. 5BNBPEF61
CONTACT

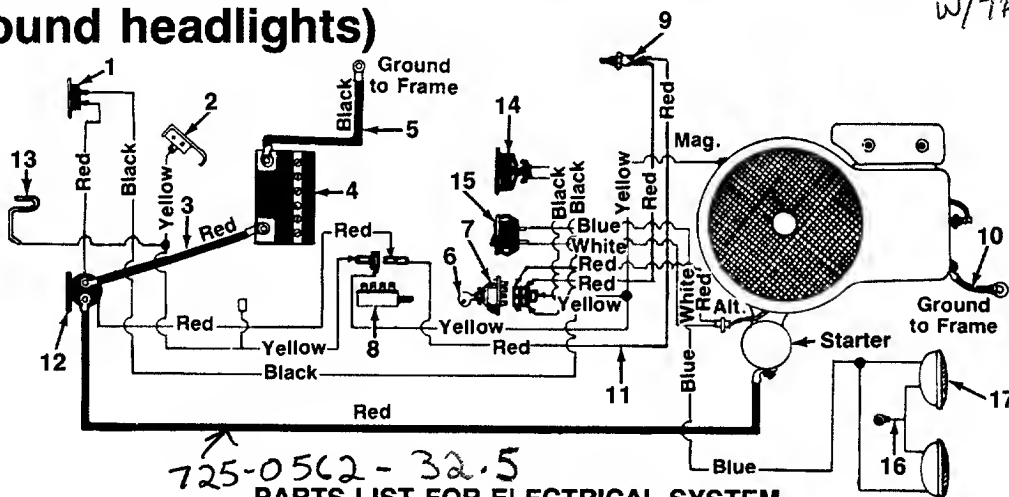


PARTS LIST FOR ELECTRICAL SYSTEM

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	725-0459		Circuit Breaker		13	725-1058		Socket	
2	725-0759		Spring-Switch—Reverse		14	725-0976		Ground Wire 7.25" Lg.	
3	725-0975		Ground Wire 9.0" Lg.		15	725-0634		Light Switch	
4	725-0201		Ignition Key		16	725-0803		Safety Switch	
5	725-0267		Ignition Switch		17	725-0514		Battery	
6	725-0925		Ammeter		18	725-0927	1351	Electric Wire 7.25" Lg.	
8	725-0577		Safety Switch		19	725-0771		Solenoid	
9	725-0916		Ground Wire		20	725-1308		Wire Harness	N
12	725-0963		Lamp		21	725-1303		Spring Switch	N

Models 530 thru 568, 600 thru 658 (with round headlights)

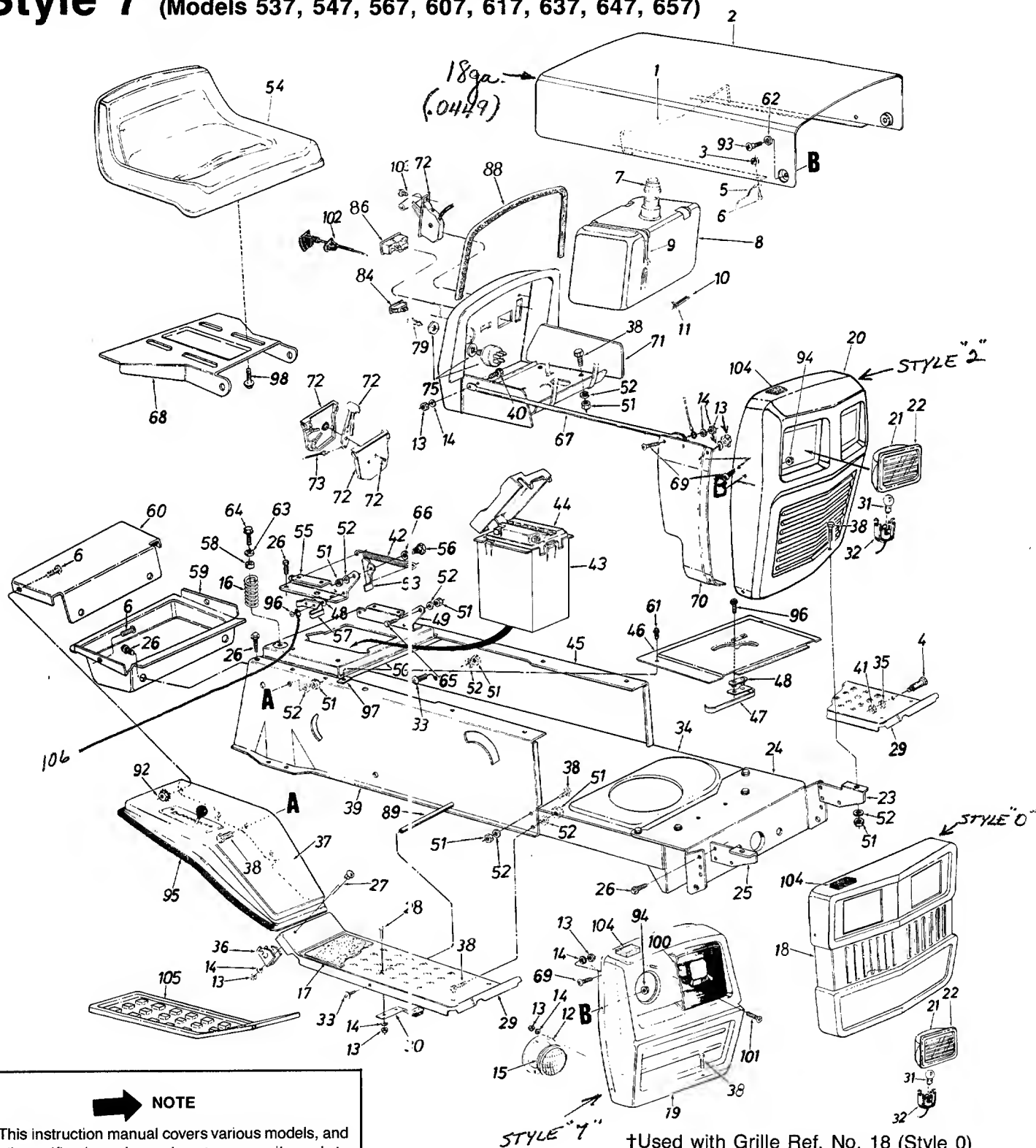
725-1309 UNITS
w/TAI LIG H T S



PARTS LIST FOR ELECTRICAL SYSTEM

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	725-0459		Circuit Breaker		9	725-0577		Safety Switch (Clutch)	
2	725-0759		Reverse Safety Switch		10	725-0976		Ground Wire 7.25" Lg.	
3	725-0927		Electric Wire w/Boot (Positive)		11	725-1308		Wire Harness	N
4	725-0514		12V-Battery		12	725-0771		Solenoid	
5	725-0975		Ground Wire 9.0" Lg. (Negative)		13	725-1303		Spring Switch	N
6	725-0201		Ignition Key		14	725-0925		Ammeter	
7	725-0267		Ignition Switch		15	725-0634		Light Switch	
8	725-0803		Safety Switch (P.T.O.)		16	725-0916		Ground Wire	
					17	725-0222		Headlight	

Style 0 (Models 530, 540, 560, 600, 610, 630, 640, 650)
Style 2 (Models 532, 542, 562, 602, 612, 632, 642, 652)- 622
Style 7 (Models 537, 547, 567, 607, 617, 637, 647, 657)

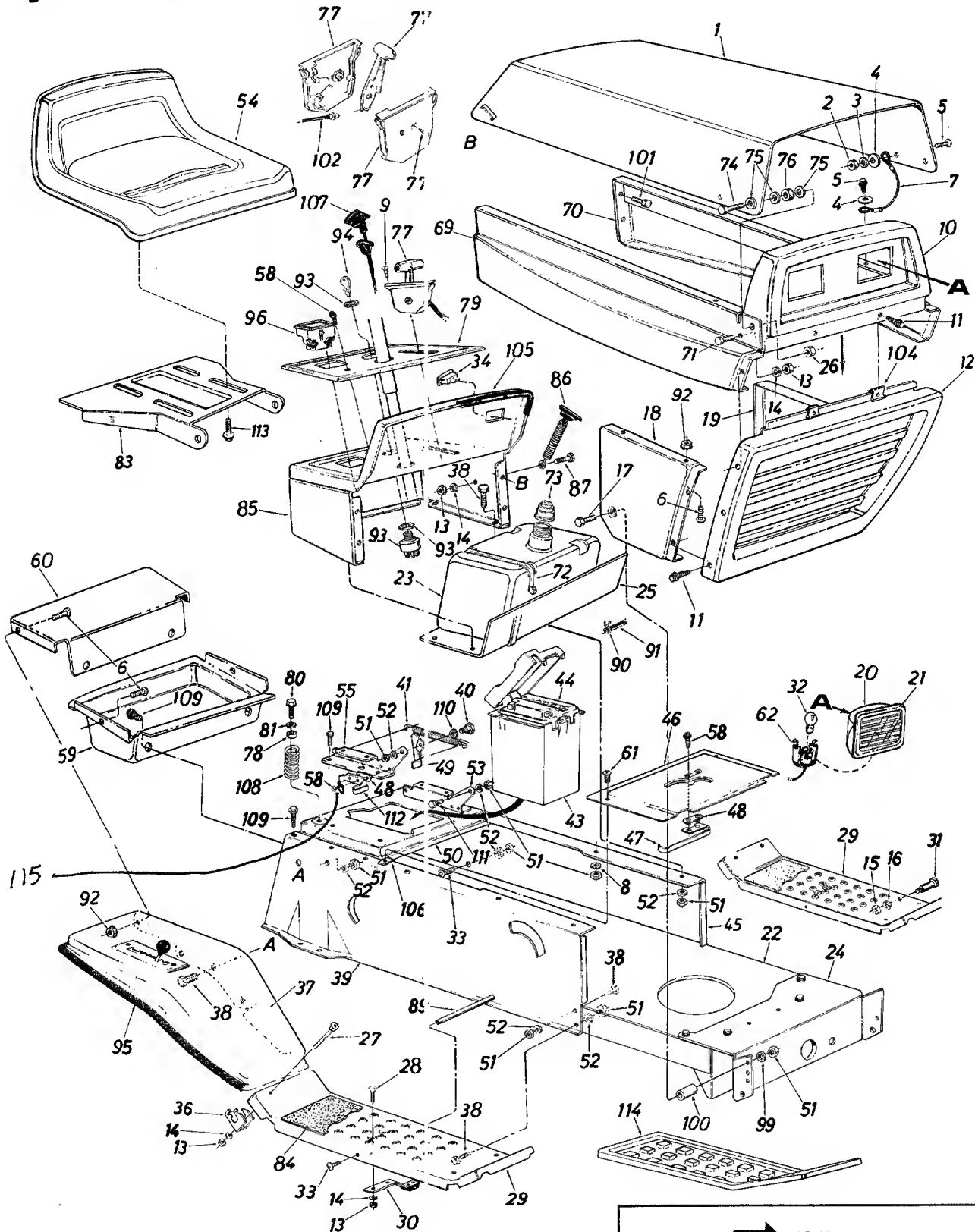


PARTS LIST FOR STYLE 0, 2 AND 7 FRONT ENGINE LAWN TRACTORS

TRACTORS

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	732-0414		Hood Spring		50	17225		Hitch Plate	N
2	14665	638	Hood (Style 2, 7)		51	712-0267		Hex Nut 5/16-18 Thd.*	
	14616	638	Hood (Style 0)		52	736-0119		L-Wash. 5/16" I.D.*	
3	712-0272		Hex Sems Nut #10-24 Thd.*		53	17239		Seat Lift Brkt.	N
4	738-0145		Shld. Bolt .50" Dia. x .84"		54	757-0345		Seat 8-7/8" High	N
5	723-0302		Hood Stop 7" Lg.			757-0338		High Back Seat 10-5/8" High	N
6	710-0473		Truss Hd. Scr. #10-24 x 1/2"*		55	17244		Seat Pivot Brkt. Support—R.H.	N
7	723-0333		Fuel Cap Gauge		56	738-0296		Shld. Bolt .437" Dia. x .268"	
8	751-0172		Fuel Tank		57	725-1303		Spring Switch	N
9	726-0209		Tie Strap		58	722-0160		Bushing	N
10	751-0173		Fuel Line		59	731-0561		Tool Tray**	
11	726-0207		Hose Clamp		60	14789		Fender Panel**	
12	09960		Headlight Retainer††		61	710-0351		Truss Mach. Tap Scr. #10 x .50" Lg.	
13	712-0287		Hex Nut 1/4-20 Thd.*		62	736-0413		Washer .39" I.D. x .62" O.D.	
14	736-0329		L-Wash. 1/4" I.D.		63	736-0159		Fl-Wash. .344" I.D. x .875"	
15	725-0222		Headlight**		64	710-0602		Hex Wash. Hd. Tap Scr. 5/16-18 x 1.0" Lg.	
16	732-0548		Compression Spring	N				Shld. Bolt .437" Dia. x .162"	
17	723-0360		Foot Pad**		65	738-0155		Spr-Wash. .445" I.D. x .75	
18	17028		Grille—Square Lights (Style 0)	N	66	736-0141		Grille Support Rod (Style 0 & 7)	
19	14781		Grille—Round Lights (Style 7)		67	749-0517		Grille Support Rod (Style 2)	N
	16444		Grille—Square Lights (Style 7)					Seat Pivot Bracket	
	16277		Grille w/Bezel (Style 7)		68	749-0721		Truss Hd. Scr. 1/4-20 x .75"*	
20	17025		Grille (Style 2)		69	15607		R.H.—Grille Side Panel†	
21	731-0705		Headlight Housing**		70	14669		L.H.—Grille Side Panel†	
22	731-0706		Headlight Lens**			14748		R.H.—Grille Side Panel††	
23	16643		Mounting Brkt. (Style 2)			14749		L.H.—Grille Side Panel††	
	16644		Mounting Brkt. (Style 0, 7)			16622		R.H.—Grille Side Panel (B&S)†††	
24	14619		Front Pivot Brkt.					R.H.—Grille Side Panel (Tec.)†††	
25	16643		Mounting Brkt. (Style 0, 7)		71	16621		L.H.—Grille Side Panel†††	
	16644		Mounting Brkt. (Style 2)			17301		Dash Panel Ass'y.	N
26	710-0726		Hex Wash. Hd. AB-Tap Scr. 5/16 x .75" Lg.			17296		Dash w/o Ammeter	N
27	710-0495		Carriage Bolt 1/4-20 x 2.0" Lg.*		72	831-0823		Throttle Control Box Ass'y. -	
28	710-0134		Carriage Bolt 1/4-20 x .62"*		73	746-0501		Throttle Control Wire—B&S	
29	14604		Running Board (R.H. & L.H.)			746-0638		Throttle Control Wire—Tec. 22" Lg.	
30	—		Blade Brake Ass'y. (Refer to Deck Breakdown)		75	725-0267		Ignition Switch	
31	725-0963		Head Lamp**		79	725-0201		Ignition Key	
32	725-1058		Twist Lock Lamp Socket**		84	725-0634		Light Switch**	
33	710-0323		Truss Mach. Scr. 5/16-18 x .75" Lg.*		86	725-0925		Ammeter**	
34	15930		Lower Frame		88	731-0511		Molding Strip 27" Lg.	
35	736-0169		L-Wash. 3/8" I.D.*		89	738-0526		Running Board Rod	
36	14671		Fender Clamp		92	712-0272		Hex Sems Nut #10-24 Thd.	
37	16197	638	Fender (R.H.)		93	738-0724		Shld. Bolt .375" Dia. x .125"	
	14666	638	Fender (L.H.)		94	712-0380		L-Nut 1/4-28 Thd.	
	16198	638	Fender (R.H.)—Used w/30" & 40" Rear Disc. Decks		95	731-0511		Trim Strip—57" Lg.	
	15350	638	Fender (L.H.)—Used w/30" & 40" Rear Disc. Decks		96	710-0227		Hex Wash. Hd. AB-Tap Scr. #8 x .50" Lg.	
38	710-0118		Hex Bolt 5/16-18 x .75" Lg.*		97	726-0139		Speed Nut #10Z	
39	14602	638	R.H. Side Frame		98	710-0623		Hex Tap Scr. 3/8-16 x .75"	
40	710-0258		Hex Bolt 1/4-20 x .62" Lg.*		100	731-0465		Bezel**	
41	712-0798		Hex Nut 3/8-16 Thd.*		101	710-0346		Oval C-Sunk Mach. Scr. 1/4-20 x 1.5" Lg.**	
42	732-0581		Extension Spring 5.31" Lg.		102	746-0615		Choke Control 29" Lg.	
43	731-0871		Battery Box w/Cover		103	710-0779		Truss Mach. AB-Tap Scr. #10 x .50" Lg.	
44	725-0514		12-V Battery		104	722-0157		Foam Strip 3/8 x 1-1/8 x 1 1/2	
45	14603	638	L.H. Side Frame		105	731-0909		Rubber Foot Pad—L.H.**	N
46	17286		Shift Cover	N		731-0910		Rubber Foot Pad—R.H.**	N
47	725-0759		Reverse Safety Switch						
48	726-0222		Insulator Nut Plate						
49	17243		Seat Pivot Brkt. Support—L.H.	N	106	736-0426		FIBER WASHER	

Style 1 (Models 531, 541, 561, 601, 611, 631, 641, 651)



NOTE

This instruction manual covers various models, and all specifications shown do not necessarily apply to your model. Specifications subject to change without notice or obligation.

Style 1 (Models 531, 541, 561, 601, 611, 631, 641, 651)

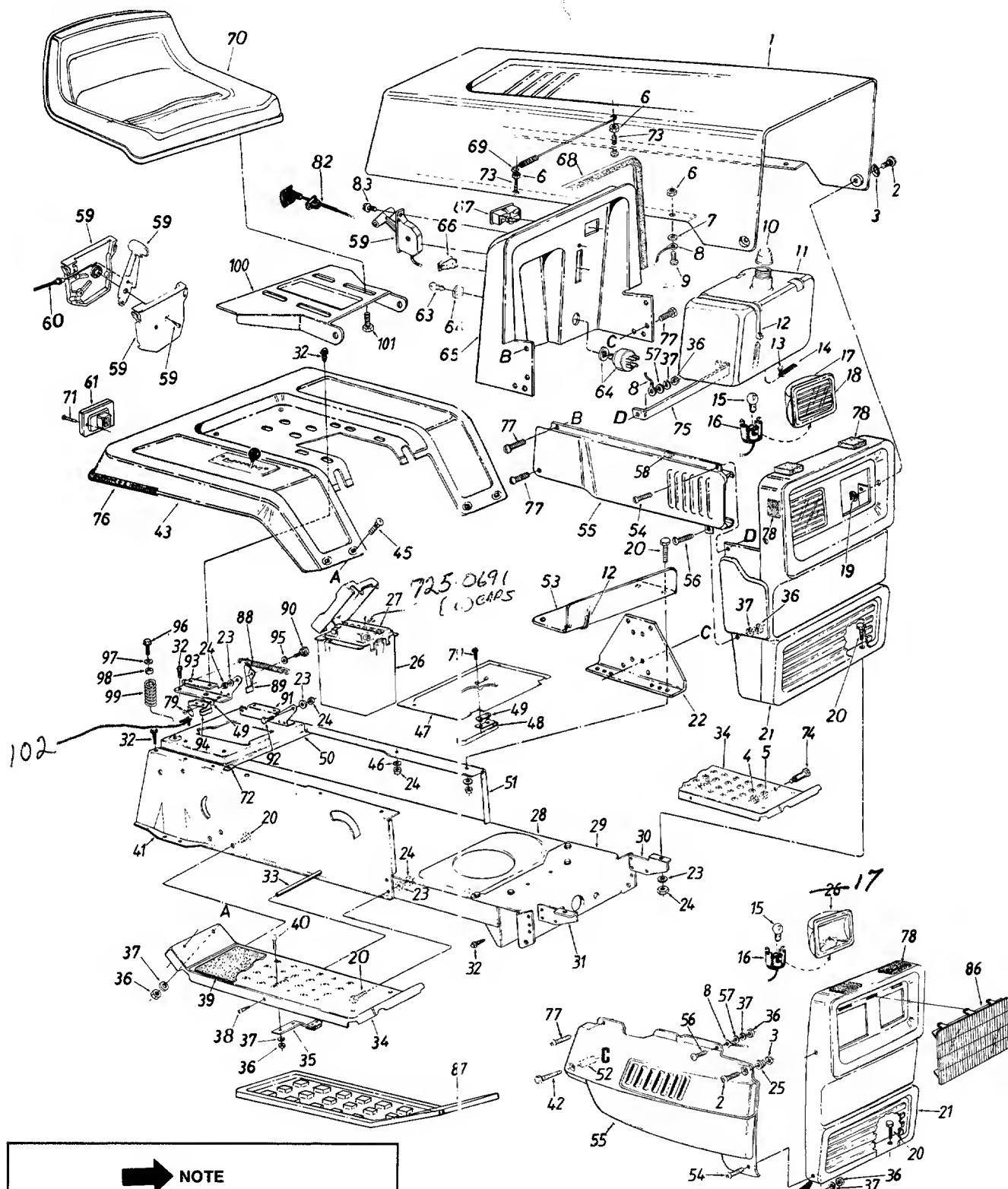
PARTS LIST FOR FRONT ENGINE LAWN TRACTORS

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	12780	638	Hood		53	17243		Seat Pivot Brkt. Support—L.H.	N
2	712-0998		Hex L-Nut #10-24 Thd.		54	757-0345		Seat 8-7/8" High	N
3	736-0722		L-Wash. #10 I.D.			757-0338		Back Seat 10-5/8" High	N
4	736-0463		FI-Wash. .25" I.D. x .62"		55	17244		Seat Pivot Brkt. Support—R.H.	N
5	710-0192		Truss Scr. #10-24 x .375"		58	710-0227		Hex AB-Tap Scr. #8 x .50"	
6	710-0473		Truss Hd. Scr. #10-24 x .50"		59	731-0561		Tool Tray†	
7	727-0199		Hood Stop		60	14789		Fender Panel†	
8	736-0607		Ext. L-Wash. 5/16"		61	710-0351		Truss Mach. Tap Scr. #10 x .50" Lg.	
9	710-0779		Truss Mach. AB-Tap Scr. #10 x .44		62	725-1058		Twist Lock—Lamp Socket	
10	15871	638	Front Grille Upper Ass'y.		69	12784	638	Side Panel—R.H.	
11	710-0224		Hex AB-Tap Scr. #10 x .50"		70	12785	638	Side Panel—L.H.	
12	15872	638	Lower Grille		71	710-0258		Hex Bolt 1/4-20 x .62" Lg.*	
13	712-0287		Hex Nut 1/4-20 Thd.*		72	726-0209		Tie Strap	
14	736-0329		L-Wash. 1/4" I.D.*		73	723-0333		Fuel Cap Gauge	
15	712-0798		Hex Nut 3/8-16 Thd.*		74	710-0253		Hex Bolt 3/8-16 x 1.00" Lg.*	
16	736-0169		L-Wash. 3/8" I.D.*		75	736-0101		FI-Wash. .380" I.D. x 1.00"	
17	710-0442		Hex Bolt 5/16-18 x 1.50"		76	735-0200		Rubber Wash. .38" I.D. x .87" O.D.	
18	15544	638	R.H. Lower Side Panel (B&S)		77	831-0823		Throttle Control Box Ass'y.	
	16600		R.H. Lower Side Panel (Tec.)		78	722-0160		Bushing	N
19	15545	638	L.H. Lower Side Panel		79	731-0804		Dash Panel Insert	
20	731-0705		Headlight Housing		80	710-0602		Hex Wash. Hd. Tap Scr. 5/16-18 x 1" Lg.	
21	731-0706		Headlight Lens		81	736-0159		FI-Wash. .344" I.D. x .875" O.D.	
22	15930		Lower Frame		83	15607		Seat Pivot Bracket	
23	751-0172		Fuel Tank		84	723-0360		Foot Pad†	
24	14619		Front Pivot Brkt.		85	17299		Dash Panel Ass'y.	N
25	14605		Fuel Tank Support		86	723-0296		Hood Latch Ass'y.	
26	712-0375		Hex Cent. L-Nut 3/8-16 Thd.		87	710-0289		Hex Bolt 1/4-20 x .50" Lg.*	
27	710-0495		Carriage Bolt 1/4-20 x 2.00"		89	738-0526		Running Board Rod	
28	710-0134		Carriage Bolt 1/4-20 x .62"		90	726-0207		Hose Clamp	
29	14604	638	Running Board (R.H. & L.H.)		91	751-0173		Fuel Line	
30	—		Blade Brake Ass'y. (Refer to Deck Breakdown)		92	712-0272		Hex Sems Nut #10-24 Thd.	
31	738-0145		Shld. Bolt .50 Dia. x .84		93	725-0267		Ignition Switch	
32	725-0963		Head Lamp		94	725-0201		Ignition Key	
33	710-0323		Truss Mach. Scr. 5/16-18 x .75" Lg.*		95	731-0511		Trim Strip—57" Lg.	
34	725-0634		Light Switch†		96	725-0925		Ammeter†	
36	14671		Fender Clamp		99	736-0242		Belleville Wash. .34" I.D.	
37	16197		Fender (R.H.)		100	748-0193		Spacer (Side Disc. Deck)	
	14666		Fender (L.H.)			748-0298		Spacer (Rear Disc. Deck)	
	16198		Fender (R.H.)—Used w/36" & 40" Rear Discharge Decks		101	710-0258		Hex Wash. Hd. AB-Tap Scr. 1/4-20 x .62	
	15350		Fender (L.H.)—Used w/36" & 40" Rear Discharge Decks		102	746-0505		Throttle Control Wire (B&S)	
						746-0637		Throttle Control Wire (Tec.)	
38	710-0118		Hex Bolt 5/16-18 x .75" Lg.*		104	726-0139		Speed Nut #10Z	
39	14602		R.H. Side Frame		105	731-0511		Trim Strip—15"	
40	738-0296		Shld. Bolt .437" Dia. x .268"		106	726-0139		Speed Nut #10Z	
41	732-0581		Ext. Spring .75" O.D. x 5.31" Lg.	N	107	746-0615		Choke Control 29" Lg.	N
					108	732-0548		Compression Spring	N
					109	710-0726		Hex AB-Tap Scr. 5/16-18 x .75" Lg.	
43	731-0871		Battery Box w/Cover					Spr-Wash. .445" I.D. x .75" O.D.	
44	725-0514		12-V Battery		110	736-0141		Shld. Bolt .437" Dia. x .162"	
45	14603		L.H. Side Frame		111	738-0155		Spring Switch	N
46	17287		Shift Cover	N	112	725-1303		Hex Hd. Tap Scr. 3/8-16 x .75" Lg.	
47	725-0759		Reverse Safety Switch		113	710-0623		Rubber Foot Pad L.H.†	N
48	726-0222		Insulator Nut Plate					Rubber Foot Pad R.H.†	N
49	17239		Seat Lift Brkt.	N	114	731-0909			
50	17225		Hitch Plate	N		731-0910			
51	712-0267		Hex Nut 5/16-18 Thd.*						
52	736-0119		L-Wash. 5/16" I.D.*		115	736-0426		FIBER WASHER	

†Optional Parts

Style 3 (Models 533, 543, 563, 603, 613, 633, 643, 653)

Style 8 (Models 538, 548, 568, 608, 618, 638, 648, 658)



NOTE
This instruction manual covers various models, and all specifications shown do not necessarily apply to your model. Specifications subject to change without notice or obligation.

15806 W/O BEZEL HOLES

Style 3 Style 8

(Models 533, 543, 563, 603, 613, 633, 643, 653)

(Models 538, 548, 568, 608, 618, 638, 648, 658)

PARTS LIST FOR FRONT ENGINE LAWN TRACTORS

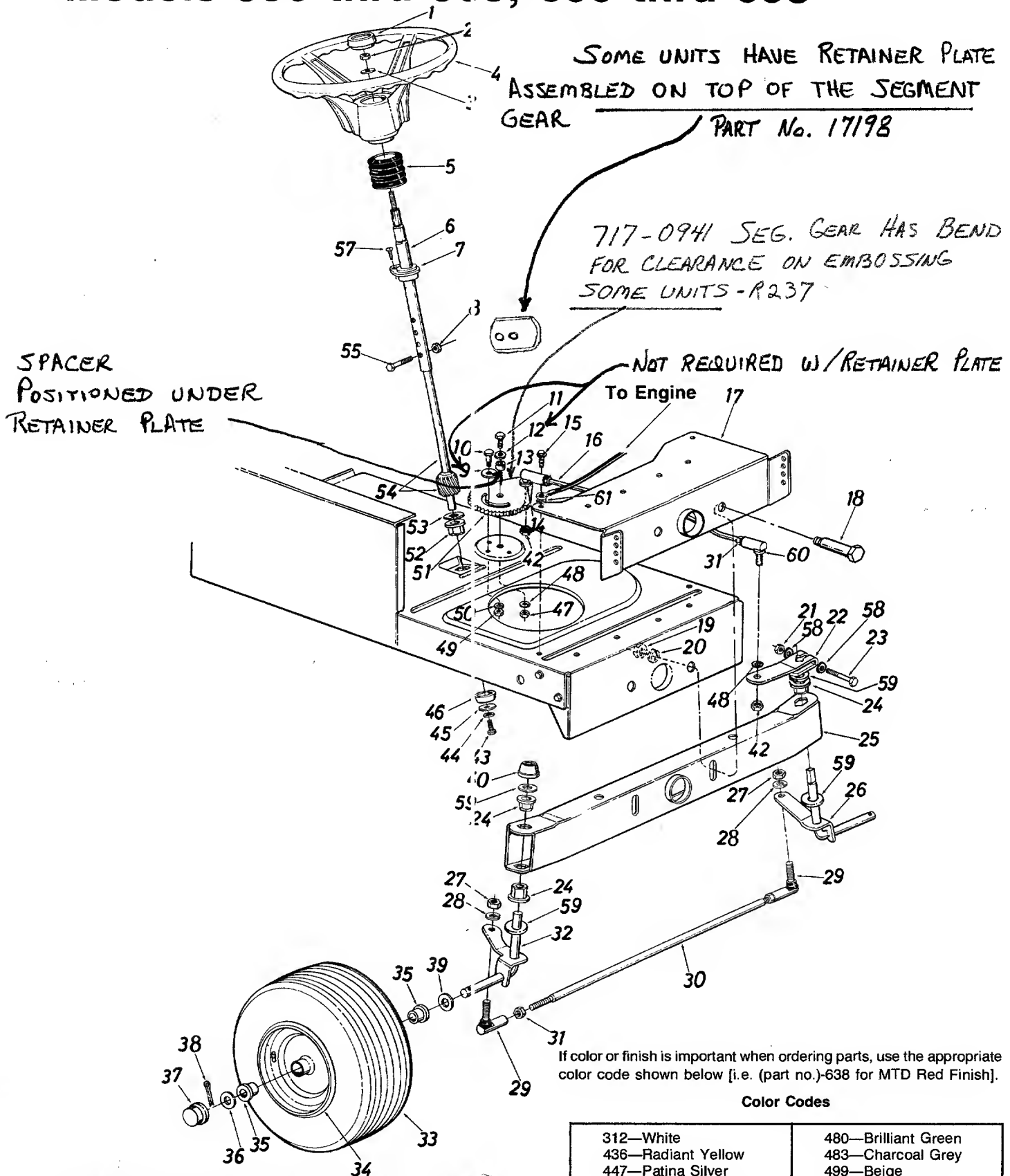
REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	15808	638	Hood - <i>STYLE 3</i>		53	14605		Fuel Tank Support	
2	738-0724		Shld. Bolt .375 Dia. x .125		54	710-0255		Truss Hd. Scr. 1/4-20 x .75" *	
3	736-0413		Washer .39" I.D. x .62"		55	15814		Side Cover—R.H. (Style 3)	N
4	712-0798		Hex Nut 3/8-16 Thd.*			17308		Side Cover—R.H. (Style 8)	
5	736-0169		L-Wash. 3/8" I.D.*			15815		Side Cover—L.H. (Style 3—	
6	712-0272		Hex Sems Nut #10-24 Thd.*					Not Shown)	
7	736-0931		FI-Wash. .203" I.D. x .41"			16721		Side Cover—L.H. (Style 8—	N
8	727-0290		Hood Stop					Not Shown)	
9	710-0473		Truss Hd. Scr. #10-24 x 1/2" *		56	710-0286		Truss Mach. Scr. 1/4-20 x	
10	723-0333		Fuel Cap Gauge					.50" Lg.*	
11	751-0172		Fuel Tank		57	736-0173		FI-Wash. .281" I.D. x .73"	
12	726-0209		Tie Strap					O.D.	
13	726-0207		Hose Clamp		58	726-0152		Mounting Clamp	
14	751-0173		Fuel Line		59	831-0823		Throttle Control Box Ass'y.	
15	725-0963		Lamp†		60	746-0500		Throttle Control Wire (B&S)	
16	725-1058		Twist Lock—Lamp Socket†			746-0638		Throttle Control Wire (Tec.)	
17	731-0705		Headlight Housing†		61	725-1128		Taillight†	
18	731-0706		Lenst†		63	725-0201		Ignition Key	
19	712-0380		L-Nut 1/4-28 Thd.		64	725-0267		Ignition Switch	
20	710-0118		Hex Bolt 5/16-18 x .75" Lg.*		65	17295		Dash Panel	N
21	15804	638	Grille <i>STYLE 3</i>		66	725-0634		Light Switch	
	16457	638	Grille—Used w/Headlight		67	725-0925		Ammeter†	
	16456		Bezel		68	731-0511		Trim Strip—27"	
22	17300		Dash Support Bracket	N	69	732-0462		Hood Spring	
23	736-0119		L-Wash. 5/16" I.D.*		70	757-0345		Seat 8-7/8" High	N
24	712-0267		Hex Nut 5/16-18 Thd.*			757-0338		Seat 10-7/8" High	N
25	738-0759		Shld. Spacer (Style 8)	N	71	710-0936		Truss Hd. AB-Tap Scr.	
26	731-0871		Battery Box w/Cover					#6 x .62" Lg.	
27	725-0514		12V Battery		72	726-0139		Speed Nut #10Z	
28	15930		Lower Frame		73	710-0749		Hex Scr. #10-24 x 1.0" Lg.	
29	14619		Front Pivot Brk't.		74	738-0145		Shld. Bolt .50 Dia. x .84	
30	15821		Grille Mount Brk't.—L.H.		75	15931		Tie Strap—Grille/Side Panel <i>STYLE 3</i>	
31	15822		Grille Mount Brk't.—R.H.		76	731-0511		Trim Strip—81"	
32	710-0726		Hex Wash. Hd. AB-Tap Scr.		77	710-0642		Hex Wash. Hd. Tap Scr.	
			5/16 x .75" Lg.					1/4 x .75" Lg.	
33	738-0526		Running Board Rod		78	722-0157		Foam Strip 3/8 x 1-1/8" x	
34	14604		Running Board (R.H. & L.H.)					1 1/2" Lg. (4 Req'd.)	
35	—		Blade Brake Ass'y. (Refer to		79	710-0227		Hex Wash. Hd. AB-Tap #8 x	
			Deck Breakdown)					.50" Lg.	
36	712-0287		Hex Nut 1/4-20 Thd.*		82	746-0615		Choke Control 29" Lg.	
37	736-0329		L-Wash. 1/4" I.D.*		83	710-0779		Truss Mach. AB-Tap Scr.	
38	710-0323		Truss Mach. Scr. 5/16-18 x					#10 x .5" Lg.	
			.75" Lg.*		86	731-0967		Headlight Bezel†	N
39	723-0360		Foot Pad†		87	731-0909		Rubber Foot Pad—L.H.†	N
40	710-0134		Carriage Bolt 1/4-20 x .62" *			731-0910		Rubber Foot Pad—R.H.†	N
41	14602		R.H. Side Frame		88	732-0581		Ext. Spring 5.31" Lg.	N
42	710-1026		Hex TT-Tap Scr. 1/4-20 x		89	17239		Seat Lift Brkt.	N
			1.75" Lg. (Style 8)	N	90	738-0296		Shld. Bolt .437" Dia.	
43	17228	638	Rear Fender		91	17243		Seat Pivot Brkt. Support—L.H.	N
	17229	638	Rear Fender Used w/Tailights	N	92	738-0155		Shld. Bolt .437" Dia.	
	16198	638	Rear Fender (R.H.)††		93	17244		Seat Pivot Brkt. Support—R.H.	N
	15350	638	Rear Fender (L.H.)††		94	725-1303		Spring Switch	N
44	710-0351		Truss Mach. Scr. #10 x .50"		95	736-0141		Spr-Wash. .445" I.D.	
45	710-0167		Carriage Bolt 1/4-20 x .50" *		96	710-0602		Hex Wash. Hd. Tap Scr.	
46	736-0607		External L-Wash. 5/16" I.D.					5/16-18 x 1" Lg.	
47	17286		Transmission Panel	N	97	736-0159		FI-Wash. .344" I.D.	
48	725-0759		Reverse Safety Switch		98	722-0160		Bushing	N
49	726-0222		Insulator Nut Plate		99	732-0588		Compression Spring	N
50	17225		Hitch Plate	N	100	15607		Seat Pivot Bracket	
51	14603		L.H. Side Frame		101	710-0623		Hex Tap Scr. 3/8-16 x .75"	
52	750-0583		Spacer 1.30" Lg. (Style 8)		102	736-0426		FIBER WASHER	

†Optional Parts

29

††Used with 40" Rear Discharge Deck Only.

Models 530 thru 568, 600 thru 658



*For faster service obtain standard nuts, bolts and washers locally.
If these items cannot be obtained locally, order by part number and
size, as shown on parts list.

Models 530 thru 568, 600 thru 658

PARTS LIST FOR FRONT ENGINE LAWN TRACTORS

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	731-0220		Steering Wheel Cap		29	723-3018		Ball Joint 3/8-24 Thd.	
2	712-0237		Hex L-Nut 5/16-24 Thd.		30	711-0613		Tie Rod	
3	736-0242		Belleville Wash. .345" I.D.		31	712-0711		Hex Jam Nut 3/8-24 Thd.*	
4	731-0805		Steering Wheel (3 Spoke)		32	15840		Front Axle Ass'y.—R.H.	
	731-0806		Steering Wheel (4 Spoke)					(Used With 13 Inch Tire)	
5	731-0559		Steering Bellow—4.5"			14650		Front Axle Ass'y.—R.H.	
	731-0654		Steering Bellow—9"		33	**		Wheel Ass'y. Comp.	
			(Style 1)		34	**		Front Wheel Rim Only	
6	16512		Steering Column Ass'y.		35	741-0487		Bearing	
7	741-0356		Flange Bearing .890 I.D. x 1.36 O.D.		36	736-0285		FI-Wash. .635 I.D. x 1.59" O.D.	
8	712-0324		Hex L-Nut 1/4-20 Thd.		37	731-0484		Front Wheel Hub Cap	
9	736-0319		FI-Wash. .438" I.D. x 1.37" O.D.			734-0541		Front Wheel Hub Cap (Chrome—Optional)	
10	738-0141		Shoulder Bolt .437" Dia. x .35 Lg. 5/16-18 Thd.		38	714-0470		Cotter Pin 1/8" Dia. x 1.25"*	
11	710-0152		Hex Bolt 3/8-24 x 1.0" Lg. (Grade 5)		39	736-0187		FI-Wash. .640" I.D. x 1.24" O.D.	
12	736-0219		Bell-Wash. .40" I.D. x 1.13" O.D.		40	726-0214		Push Cap 5/8" Dia. Rod	
13	750-0535		Spacer .380" I.D. x .625" O.D. x .227		42	712-0711		Hex Jam Nut 3/8-24 Thd.*	
14	736-0169		L-Wash. 3/8" I.D.*		43	710-0538		Hex L-Bolt 5/16-18 x .62"*	
15	710-0726		Hex Wash. Hd. Self-Tap Scr.		44	736-0119		L-Wash. 5/16" I.D.*	
16	711-0788		Steering Drag Link		45	736-0343		FI-Wash. .33" I.D. x 1.25" O.D.	
17	14619		Front Pivot Brkt.		46	750-0532		Spacer (Plastic)	
18	738-0527		Shoulder Bolt .498" Dia. x 2.04 Lg. 3/8-16 Thd.		47	712-0241		Hex Nut 3/8-24 Thd.*	
19	712-0798		Hex Nut 3/8-16 Thd.*		48	736-0169		L-Wash. 3/8" I.D.*	
20	736-0169		L-Wash. 3/8" I.D.*		49	712-0267		Hex Nut 5/16-18 Thd.*	
21	712-0237		Hex Cent. L-Nut 5/16-24 Thd.		50	736-0119		L-Wash. 5/16" I.D.*	
22	16481		Steering Arm Front Axle		51	717-0622		Steering Gear Segment	
23	710-0772		Hex Bolt 5/16-24 x 2.00" Lg. (Grade 5)		52	741-0225		Hex Flg. Brg. .634 I.D.	
24	741-0225		Hex Flg. Brg. .634 I.D.		53	736-0187		FI-Wash. (Hardened)	
25	14608		Pivot Bar Ass'y.		54	738-0522		Steering Shaft Lower	
26	16480		Front Axle Ass'y.—L.H. (Used With 13 Inch Tire)		55	710-0958		Hex Bolt 1/4-20 x 1.25" Lg. (Special)	
	16479		Front Axle Ass'y.—L.H.		57	710-0837		Oval Hd. Cr.—Sunk Scr. #10 x 5/8" Lg.	
27	712-0241		Hex Nut 3/8-24 Thd.*		58	736-0271		Wave-Wash. .32" I.D. x .62" O.D.	
28	736-0169		L-Wash. 3/8" I.D.*		59	736-0187		FI-Wash. (Hardened)	
					60	723-3018		Drag Link Ball Joint 3/8-24 Thd.	
					61	736-0607		Ext. L-Wash. 5/16" I.D.	

*For faster service obtain standard nuts, bolts and washers locally.
If these items cannot be obtained locally, order by part number and size as shown on parts list.

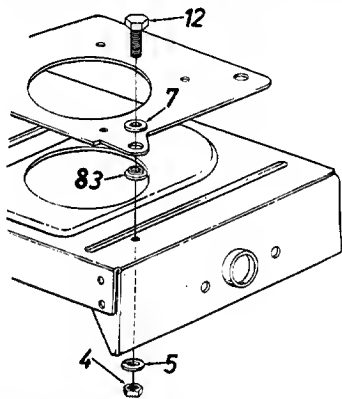
**FRONT WHEEL CHART

Description	15 x 6.00	14.5 x 6.00	13 x 5.00
Wheel Assembly Comp.	734-1136	734-0863	734-1229
Tire Only	734-0427	734-0864	734-0298
Rim Only	734-0997.	734-0864	734-1227
Bearing	741-0487	741-0487	741-0487
Air Valve	734-0255	734-0255	734-0255
Grease Fitting	737-0146	737-0146	737-0146

Models 530 thru 568, 600 thru 658

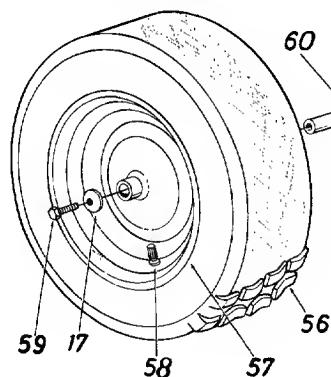
NEEDLE BEARINGS 741-0404
TORRINGTON BRGING #JT 99
2 PER ASSY.

TECUMSEH ENGINES ONLY:



Hardware for right front corner.

#21 ENGINE Pulley 756-0488
Rep. w/ 756-0424 &
756-0435 Belt



**REAR WHEEL CHART

Description	18 x 9.50	18 x 8.50	31 3/4" 18 x 6.50 (30" & 34" Decks)	18 x 6.50 (40" Deck)	16 x 6.50	18 x 5.5
Wheel Assembly Comp.	734-0817	734-0601	734-0592	734-1132	734-0591	734-1190
Tire Only	734-0448	734-0516	734-0294	734-0294	734-0275	734-1197
Rim Only	734-0603	734-0603	734-0594	734-1133	734-0594	734-1191

Models 530 thru 568, 600 thru 658

PARTS LIST FOR FRONT ENGINE LAWN TRACTORS

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	—		Engine		47	747-0519		Brake Rod 20.9" Lg.	
2	710-0258		Hex Bolt 1/4-20 x .62" Lg.*		48	735-0196		Foot Pad	
3	725-0122		Electric Ground Wire		49	15889		Brake Lever Bracket	
4	712-0123		Hex Nut 5/16-24 Thd.*		50	15888		Hill Holder Brake Handle	
5	736-0119		L-Wash. 5/16" I.D.*		51	16430		Shift Lever Ass'y.	
6	14791		Engine Mounting Plate		52	710-0559		Hex Bolt 1/4-28 x 1.75" Lg.*	
7	736-0343		FI-Wash. .320" I.D. x 1.25"		53	732-0264		Ext. Spring .38" O.D. x 2.5"	
8	722-0153		Engine Mounting Grommet		54	732-0413		Ext. Spring .59" O.D. x 7.08"	
9	750-0539		Spacer		55	710-0176		Hex Bolt 5/16-18 x 2.75"*	
10	710-0502		Hex Bolt 3/8-16 x 1.25" Lg. (B&S)		56	**		Wheel Ass'y. Comp.	
	710-0650		Hex Wash. Hd. TT-Tap Scr. 5/16-18 x 7/8" Lg. (Tec.)		57	**		Wheel Rim Only	
11	15930		Lower Frame Ass'y.		58	734-0255		Air Valve (Service Only)	
12	710-0158		Hex Bolt 5/16-24 x 1.25"*		59	710-0627		Hex Bolt 5/16-24 x .75" Lg.*	
13	712-0287		Hex Nut 1/4-20 Thd.*		60	717-1050		Transaxle Complete	
14	736-0329		L-Wash. 1/4" I.D.*		61	732-0454		Brake Return Spring Anchor	
15	710-0781		Hex Wash. Hd. AB-Tap Scr. 5/16" x .75" Lg.		62	711-0768		Belt Guard Pin 1/4-20 Thd.	
16	15898		Belt Guard Brkt. Ass'y.		63	736-0275		FI-Wash. .34" I.D. x .68" O.D.	
17	736-0242		Bell-Wash. .345" I.D. x .88"		64	710-0428		Hex Bolt 1/4-28 x 1.25" Lg.*	
18	712-0267		Hex Nut 5/16-18 Thd.*		65	732-0568		Ext. Spring	
19	710-0833		Hex Bolt 5/16-18 x 5.25" Lg.		66	732-0384		Ext. Spring .62" O.D. x 6.12"	
	710-0190		Hex Bolt 5/16-18 x 4.0" * 30" (799) & 38" (805) DECK		67	16554		Variable Speed Torque Brkt. Ass'y.	
20	714-0114		Sq. Key 1/4" x 1/4" x 2.00"			16352		Variable Speed Torque Brkt. Ass'y. (30" Deck Only)	
21	756-0423		Engine Pulley—30" R.D. (799) Deck		68	741-0419		Flanged Bearing	
	756-0428		Engine Pulley—34" (800), 38" (801) and 40" (804) Decks		69	714-0507		Cotter Pin 3/32" Dia.*	
	753-0635		Engine Pulley—38" (805) Deck (Single Cylinder Engine)		70	748-0234		Shoulder Spacer .27" Lg.	
	756-0488		Engine Pulley—38" (805) Deck (Single Cylinder Engine)		71	747-0512		Speed Control Link (30" Deck Only)	
22	736-0322		FI-Wash. 7/16" I.D. x 1.25"			747-0530		Speed Control Link	
23	736-0171		L-Wash. 7/16" I.D.*		72	741-0405		Truss Bearing .56 Dia. x 1.25"	
24	710-0757		Hex Bolt 7/16-20 x 1.50" Lg.		73	720-0165		Ball Knob	
25	754-0280		Variable-Speed Belt 53		74	756-0437		FI-Idler Pulley 3.25" x .75"	
26	710-0118		Hex Bolt 5/16-18 x .75" Lg.		75	756-0374		1/2" "V"-Pulley 8.0" O.D. x .501" I.D.	
27	16553		Bearing Shaft Bracket Ass'y.		76	736-0921		L-Wash. 1/2" I.D.*	
28	741-0295		Flanged Nyliner Brg. 5/8" I.D. x .88" Lg.		77	712-0922		Hex Jam Nut 1/2-20 Thd.*	
29	712-0241		Hex Nut 3/8-24 Thd.*		78	710-0539		Hex Bolt 3/8-24 x 1.75" Lg.	
30	15891		Idler Bracket		79	754-0281		Variable Speed Belt 43	
31	736-0169		L-Wash. 3/8" I.D.*		80	716-0114		Snap Ring .56" Dia.	
32	712-0241		Hex Nut 3/8-24 Thd.*		81	736-0355		FI-Wash.	
33	15945		Transaxle Support Brkt.		82	717-0800		Variable Speed Pulley Ass'y. 5" O.D.	
34	732-0459		Ext. Spring .94" O.D. x 6.7		83	736-0392		Flange Wash. (Tec. Eng. Only)	
35	714-0149		Inter. Cott-Pin		84	16354		Variable Speed Brkt. Ass'y.	
37	714-0507		Cotter Pin 3/32" Dia. x .75"*		85	732-0525		Comp. Spring—Clip	
38	720-0143		Grip—Black		86	14770		Transaxle Support Brkt.—R.H.	
39	712-0138		Hex Nut 1/4-28 Thd.			14769		Transaxle Support Brkt.—L.H. (Not Shown)	
40	710-0597		Hex Bolt 1/4-20 x 1.00" Lg.*		87	736-0231		FI-Wash. .34 I.D. x 1.12 O.D.	
41	732-0582		Switch Actuator		88	725-0771		Solenoid	
42	725-0577		Safety Switch		89	16429		Shift Lever Bracket	
43	710-0599		Hex Wash. Hd. S-Tap Scr. 1/4-20 x .50" Lg.		90	736-0414		Teflon Washer .565" I.D.	
44	16235		Clutch/Brake Pedal Ass'y.		91	725-0459		Circuit Breaker	
45	736-0117		FI-Wash.		92	710-0959		Hex Bolt 5/16-18 x 1.50" Lg.	
					94	738-0755		Shld. Bolt 3/8-24 x 3.12" Lg.	
					95	732-0307		Ext. Spring .99" O.D. x 11"	
					97	736-0105		Bell-Wash. .38" I.D. x .88"	

PARTS LIST FOR FRONT ENGINE LAWN TRACTORS (CONTINUED)

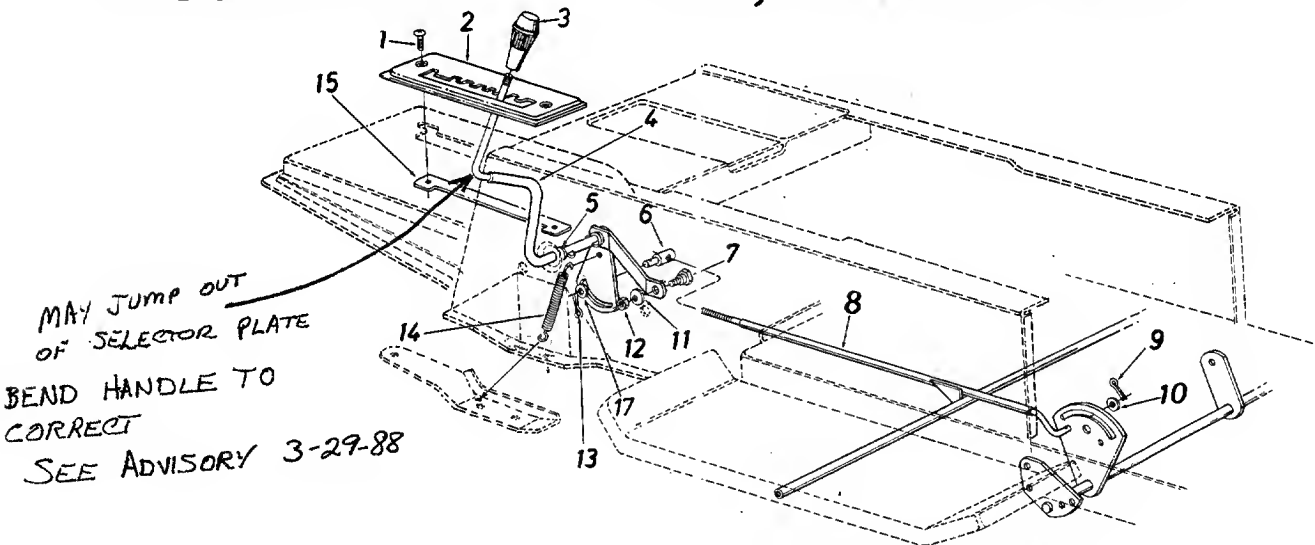
REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
98	738-0569		Shaft .56" Dia. x 3.875" Lg.		107	15835		Pedal Bracket	
99	736-0331		Bell-Wash. .39" I.D. x 1.12"		108	714-0507		Cotter Pin 3/32" Dia. x .75"	
100	736-0256		FI-Wash.		109	711-0198		Ferrule	
101	714-0111		Cotter Pin 3/32" Dia. x 1.0" *		110	710-0376		Hex Bolt 5/16-18 x 1.0" Lg. (Gr. 5)	
102	710-0604		Hex Wash. Hd. Scr. 5/16-18 x .62" Lg.		111	710-0195		Hex Bolt 1/4-28 x .50" Lg.	
104	736-0362		FI-Wash. .32" I.D. x 1.25"		112	736-0270		Bell-Wash. .265" I.D. x .75"	
105	16067		Belt Guard		113	16437		Shift Lever Link Ass'y.	
106	710-0323		Truss Mach. Scr. 5/16-18 x .75" Lg. *		114	↑		Muffler	
					115	736-0140		FI-Wash. .385" I.D. x .62"	

↑ MUFFLER CHART

Engine	Muffler	Hardware & Related Parts
8 H.P. B&S	751-0157	712-0257 Conduit L-Nut 751-0351 Deflector w/710-0894 Bolts
10 H.P. B&S	751-0302	712-0250 Conduit L-Nut
11 & 12 H.P. B&S	751-0451	721-0208 Gasket 738-0636 Shoulder Bolts 17207 Heat Shield (Optional)
12 H.P. Tecumseh	751-0443	721-0208 Gasket 738-0636 Shoulder Bolts

TAKE A TECUMSEH
 MANIFOLD TO
 ATTACH PART
 # 35292

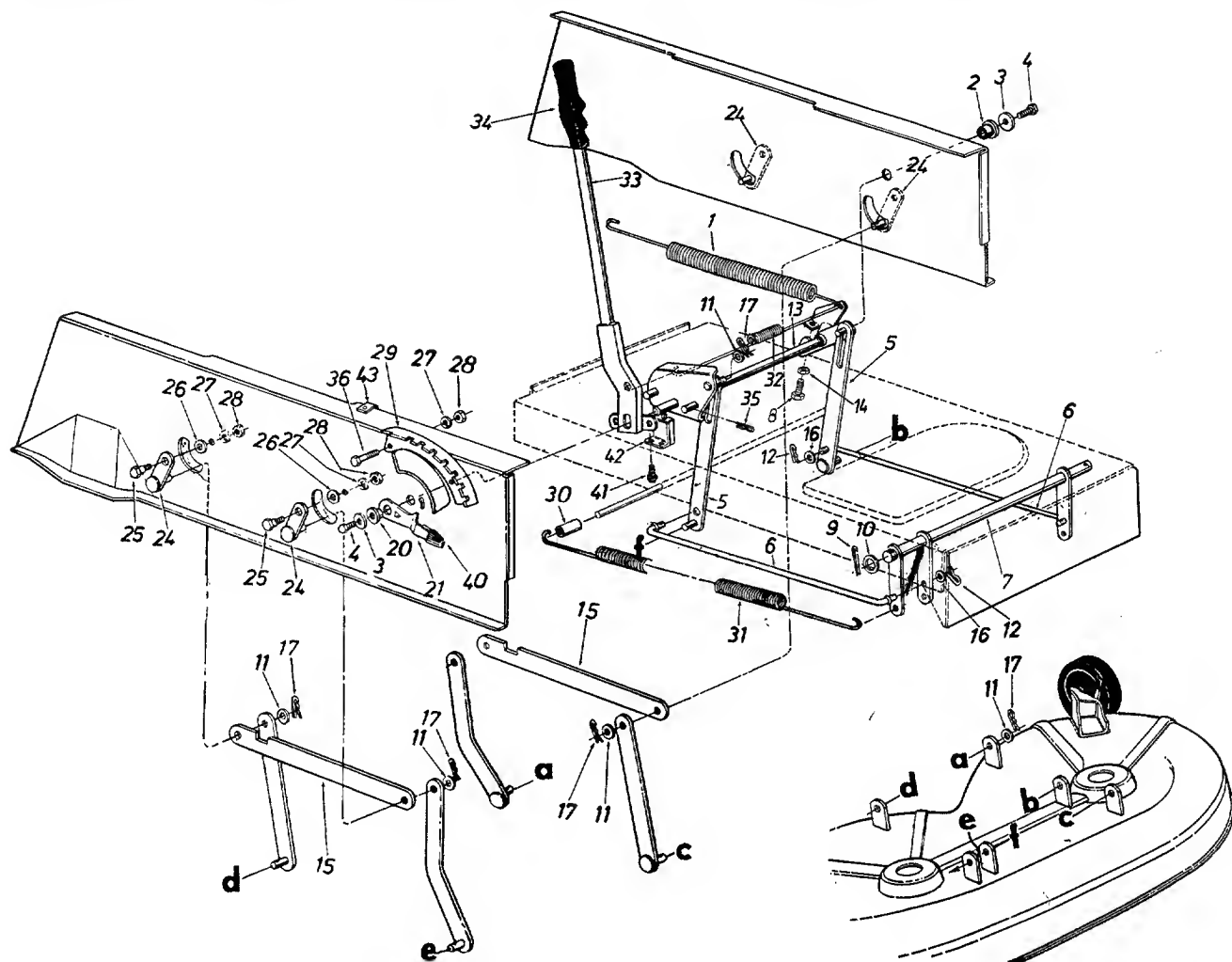
Models 530 thru 568, 600 thru 658



PARTS LIST FOR FRONT ENGINE LAWN TRACTORS

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	710-0924		Truss Mach. Scr. 1/4-20 x .75" Lg.		6	711-0198		Ferrule 3/8-24 x .37" Dia.	
2	16237		Speed Selector Plate 4-Speed		7	738-0155		Shoulder Bolt .435" Dia. x .160	
	16195		Speed Selector Plate 5-Speed		8	16355		Speed Control Rod Ass'y.	
	16236		Speed Selector Plate 6-Speed		9	714-0507		Cotter Pin 3/32" Dia. x .75" *	
	16194		Speed Selector Plate 7-Speed		10	736-0226		FI-Wash. .469" I.D. x .88"	
3	720-0218		Shift Knob		11	736-0119		L-Wash. 5/16" I.D. *	
4	16192		Speed Selector Cam Ass'y.		12	712-0267		Hex Nut 5/16-18 Thd. *	
5	736-0192		Flat Washer .53" I.D. x .93"		13	714-0507		Cotter Pin 3/32" Dia. x .75" *	
					14	732-0303		Spring .38" O.D. x 3.18" Lg.	
					15	16196		Clamping Plate	
					17	736-0140		FI-Wash. .385" I.D. x .62"	

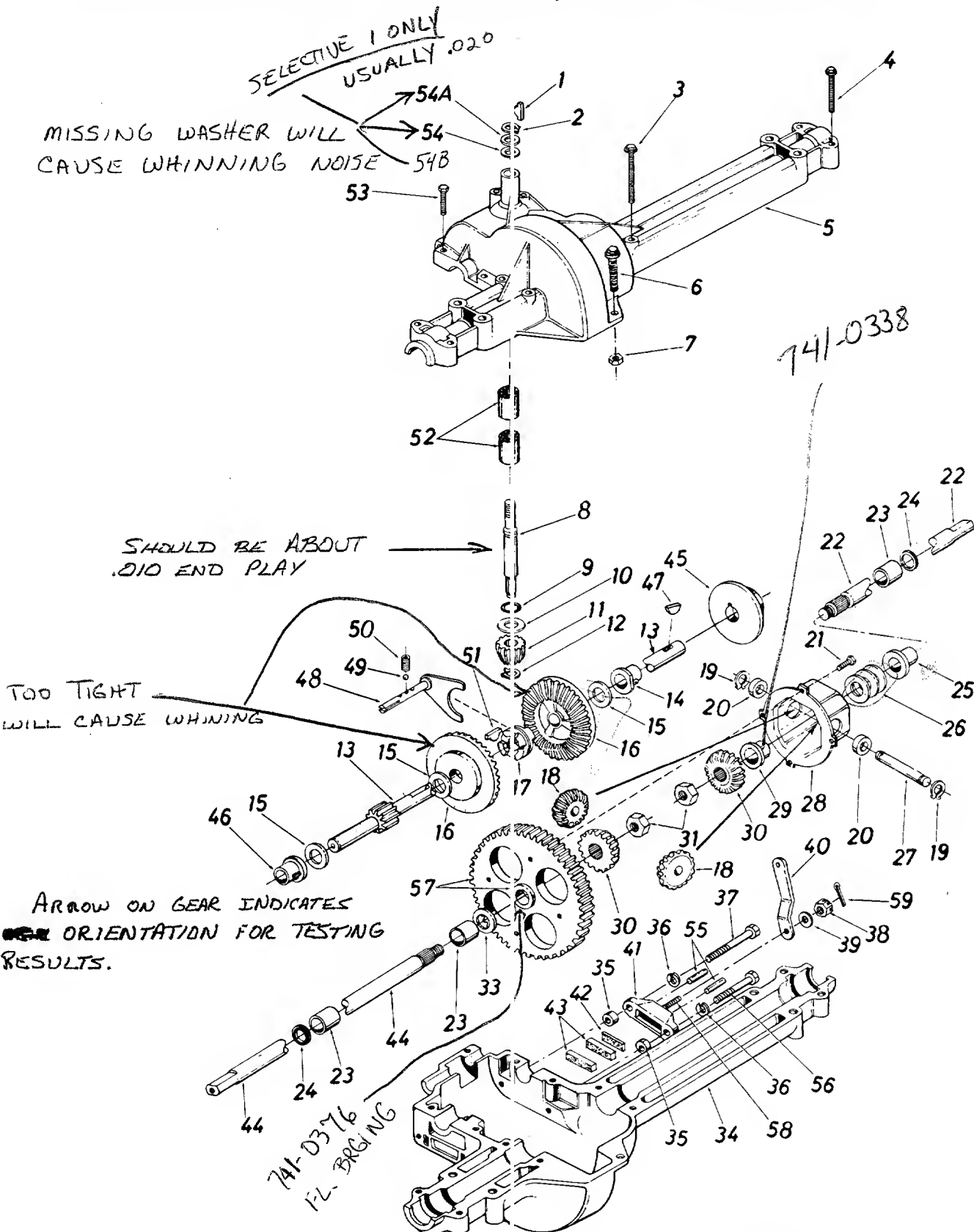
Models 530 thru 568, 600 thru 658



PARTS LIST FOR FRONT ENGINE LAWN TRACTORS

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	732-0307		Extension Spring 11" Lg.		21	732-0412		Deck Lift—Down Stop	
2	741-0313		Flange Bearing .634" I.D.		24	09721		Pivot Link Ass'y.	
3	736-0231		Fl-Wash. .344" I.D. x 1.125"		25	738-0140		Shld. Bolt .437" Dia. x .180"	
4	710-0604		Hex Wash. Hd. 5/16-18 x .62" Lg.		26	736-0264		Lg. (5/16-18)	
5	14802		Link Deck Lift Ass'y.		27	736-0119		Fl-Wash. .344" I.D. x .62"	
6	711-0738		Stabilizer Rod		28	712-0267		L-Wash. 5/16" I.D.*	
	711-0790		Stabilizer Rod—38" (805)		29	16462		Hex Nut 5/16-18 Thd.*	
			Deck Only		30	711-0425		Index Brkt.	
7	16234		Stabilizer Shaft Ass'y.		31	732-0530		Spacer .523" I.D. x .640"	
8	710-0602		Hex Tap Scr. 5/16-18 x 1"					O.D. x 1.95" Lg.	
9	714-0470		Cotter Pin 1/8" Dia. x 1 1/4"*		32	732-0573		Ext. Spring 13.25" Lg.	
10	736-0156		Fl-Wash. .635" I.D. x 1.12"		33	16465		Ext. Spring	
11	736-0160		Fl-Wash. .531" I.D. x .940"		34	720-0157		Lift Handle Ass'y.	
12	714-0111		Cotter Pin 3/32" Dia.		35	714-0145		Grip (Lift Handle)	
13	17154		Lift Shaft Ass'y.		36	710-0118		Intern. Cotter Pin 3/8" Dia.	
14	712-3007		Hex Jam Nut 5/16-18 Thd.		40	08540		Hex Bolt 5/16-18 x .75"*	
15	09735		Connecting Rod		41	710-0351		Knob	
16	736-0117		Fl-Wash. .385" I.D. x .62"		42	725-0803		Hex AB-Tap Scr. #10 x .50"	
17	714-0101		Inter. Cotter Pin 1/2" Dia.		43	726-0175		Safety Switch	
20	748-0176		Flange Brg. .630" I.D.					Clamp	

Models 530 thru 568, 600 thru 658



SINGLE SPEED TRANSAXLE—R.H.
MODEL 717-1050

Models 530 thru 568, 600 thru 658

PARTS LIST FOR SINGLE SPEED TRANSAXLE RIGHT HAND 717-1050

REF. NO.	PART NO.	DESCRIPTION	NEW PART	REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	714-0129	#4 Hi-Pro Key 3/32 x 5/8" Dia.		33	736-0351	FI-Wash. .75" I.D. x 1.5" O.D.	
2	716-0115	Snap Ring .625" Shaft		34	717-0761	Lower Housing	
3	710-0854	Hex Bolt 1/4-20 x 1.75" Lg.*		35	750-0555	Spacer .53" O.D. x 3/8" Lg.	
4	710-0809	Hex Bolt 1/4-20 x 1.25" Lg.*		36	736-0329	L-Wash. 1/4" I.D.*	
5	717-0764	Upper Housing		37	710-0886	Hex Bolt 1/4-20 x 1.50" Lg.	
6	710-0642	Hex FI-Bolt 1/4-20 x .75" Lg.				(Grade 5)	
7	712-0287	Hex Nut 1/4-20 Thd.*		38	712-0335	Castle Nut 5/16-24 Thd.*	
8	717-0634	Input Shaft		39	736-0371	FI-Wash. .34" I.D. x .875" O.D.	
9	721-0178	Square Seal 5/8" I.D.					
10	736-0335	Thrust Washer 5/8" I.D. x 1.25" O.D.		40	717-0700	Actuating Arm—R.H.	
11	717-0633	Pinion Input 14T		41	717-0679	Brake Yoke	
12	716-0108	Retaining Ring 7/16" Ext.		42	717-0682	Puck Plate	
13	717-0758	Drive Shaft—R.H.		43	717-0678	Brake Puck	
14	741-0336	Flange Brg. 5/8" I.D. x 3/4" Lg.*		44	717-1011	Axle L.H.	
15	**	FI-Wash. (See Below)		45	717-0677	Brake Disc	
16	717-0757	Bevel Gear 42T		46	741-0337	Flange Bearing 5/8" I.D. x 15/16" Lg.	
17	717-0667	Clutch Collar		47	714-0161	Woodruff Key 3/16 x 5/8 HT	
18	717-1020	Miter Gear 15T		48	717-0754	Shift Fork Ass'y.	
19	716-0142	Snap Ring		49	741-0862	Ball Detent .250" Dia.	
20	717-0690	Thrust Bearing 1/2" I.D. x 1.0" O.D.		50	732-0863	Spring Detent	
21	710-0862	Pan Head Scr. 1/4-20 x .50" Lg. w/Patch		51	714-0169	#9 Hi-Pro Key 3/16" x 3/4" Dia. HT	
22	717-1012	Axle R.H.		52	741-0335	Needle Brg. 5/8" I.D. x 1/2" Lg.	
23	741-0340	Sleeve Bearing 3/4" I.D. x 1.0" Lg.		53	710-0855	Hex Bolt 1/4-20 x 1.00" Lg.	
24	721-0179	Oil Seal 3/4" I.D.		54	736-0336	FI-Wash. 5/8" I.D. x .030	
25	741-0339	Flange Bearing 3/4" I.D. x 15/16" Lg.		54A	736-0337	FI-Wash. 5/8" I.D. x .040	
26	736-0188	FI-Wash. .760" I.D. x 1.49" O.D.		54B	736-0349	FI-Wash. 5/8" I.D. x .020	
27	717-0673	Cross Shaft		55	741-0343	Actuating Pin 5/16" Dia.	
28	717-0777	Differential Housing Ass'y.		56	710-0886	Hex Bolt 1/4-20 x 1.50" Lg.	
29	—	Comes with Ref. 28				(Grade 5)	
30	717-1019	Miter Gear		57	717-1059	Differential Gear 72T Ass'y. w/Bearing	
31	712-0200	Hex Ins. L-Nut 1/2-20 Thd.		58	717-0796	Sq. Hd. Bolt 5/16-24 Thd.	
				59	1544-013	Cotter Pin 3/32" Dia. x .50" Lg.	
				—	737-0148	Grease—Shell (10 oz.)	

**Ref. No. 15 736-0349 FI-Wash. 5/8" I.D. x 1.0" O.D. x .020 Thk.
 736-0336 FI-Wash. 5/8" I.D. x 1.0" O.D. x .030 Thk.
 736-0337 FI-Wash. 5/8" I.D. x 1.0" O.D. x .040 Thk.

PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

Parts and service are available through the authorized service firms listed below. All orders should specify the model number of your unit, part numbers, description of parts and the quantity of each part required.

BRIGGS AND STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing **Engines—Gasoline**, Briggs & Stratton or Tecumseh Lauson.

NOTE: If any parts are found to be missing or defective upon assembly of this unit, write to advise the factory so that immediate replacement can be made.

ALABAMA	BIRMINGHAM	NEW YORK	CARTHAGE
Auto Electric & Carburetor Co.	2625 4th Ave. S. \$5233	Gamble Dist., Inc.	West End Ave. 13619
ARKANSAS	NORTH LITTLE ROCK	NORTH CAROLINA	GREENSBORO
Sutton's Lawn Mower Shop	5301 Roundtop Drive	Dixie Sales Company	335 N. Green 27402
	Box 368, Rt. 4 72117	OHIO	CARROLL
CALIFORNIA	PORTERVILLE	Stebe's Mid-State Mower Supply	Box 366, 71 High St. 43112
Billious	75 North D Street \$3257		CLEVELAND
COLORADO	DENVER	Bleckrie, Inc.	7900 Lorain Ave. 44102
Spitzer Industrial Products Co.	6601 N.		WADSWORTH
	Washington St. \$0229	National Central	687 Seville Rd. 44281
FLORIDA	JACKSONVILLE	Burton Supply Co.	1301 Logan Ave.
Radco Distributors	4909 Victor St.	Box 929 44501	
	Box 5459 \$2207	PENNSYLVANIA	HARRISBURG
	HIALEAH	ECCO Inc.	4021 N. 6th St. 17110
Small Eng. Dist.	7995 W. 26th Court \$3016		WILLOW GROVE
GEORGIA	EAST POINT	Thompson Rubber Co.	850 Davisville Rd. 19090
East Point Cycle & Key Inc.	2834 Church St. \$0344		PITTSBURGH
ILLINOIS	LYONS	Bluemont Co.	11101 Frankstown Rd. 15235
Keen Edge Co.	8615 Ogden Ave. \$0534		PUNXSUTAWNEY
INDIANA	ELKHART	Frank Roberts & Sons	R.D. 2 15767
Parts & Sales Inc.	2101 Industrial Pkwy. 46516		SCRANTON
IOWA	DUBUQUE	Scranton Auto Ignition Co.	1133-35 Wyoming Ave. 18509
Power Lawn & Garden Equip.	2551 J.F. Kennedy \$2001	TENNESSEE	KNOXVILLE
LOUISIANA	NEW ORLEANS	Ace Distributors	2103 Magnolia 37917
Suhren Engine Co.	8330 Earhart Blvd. 70118		MEMPHIS
MARYLAND	TAKOMA PARK	American Sales & Service, Inc.	3035-43 Bellbrook 38116
Center Supply Co.	6867 New Hampshire Ave. 20912	TEXAS	DALLAS
	SPRINGFIELD	Marr Brothers, Inc.	423 E. Jefferson 75203
MASSACHUSETTS			SAN ANTONIO
Morton B. Collins Co.	300 Birnie Ave. \$1107		8610 Botts Lane
MICHIGAN	MOUNT CLEMENS	Engine House Inc.	P.O. Box 17867 78217
Power Equipment Dist.	340 Hubbard 48043	UTAH	SALT LAKE CITY
MINNESOTA	PLYMOUTH	Powered Products	1661 N. Beck St. 84116
Hance Distributing Inc.	12795 16th Ave. North \$5441	VIRGINIA	ASHLAND
MISSOURI	EARTH CITY	RBI Corp.	101 Cedar Ridge Dr. 23005
Oscar Wilson Engine & Parts	4159 Shoreline Dr. \$3045	WASHINGTON	SEATTLE
	KANSAS CITY	Equip. Northwest	1410 14th Ave. 98122
Automotive Equip. Service	3117 Holmes St. \$4109	WISCONSIN	MILWAUKEE
NEW JERSEY	ALLOWAY	Wisconsin Magneto Inc.	4727 N. Teutonia St. 53209
Piersons	Canal St., Box 494 \$8001		
NEW MEXICO	ALBUQUERQUE		
Spitzer Eng. & Parts Co.	1023 Third Ave. N.W. \$7103		

WARRANTY PARTS AND SERVICE POLICY

(0687)

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES:

1. Replacement of Missing Parts on new equipment.
2. Replacement of Defective Parts within the warranty period.
3. Repair of Defects within the warranty period.

All claims MUST be substantiated with the following information:

1. Model Number, Serial Number and/or Data Code of unit involved.
2. Date unit was purchased or first put into service.
3. Date of Failure.
4. Nature of Failure.